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The Storrs and Harrison Co.

Painesville Nurseries

Painesville, Ohio

Spring 1926

- 
- No. 1. Columbia \$0 85
 No. 2. White Killarney 85
 No. 3. Souv. de H. A. Verschuren. 1 50
 No. 4. Mme. Butterfly 85
 No. 5. Charles K. Douglas . . . 1 25

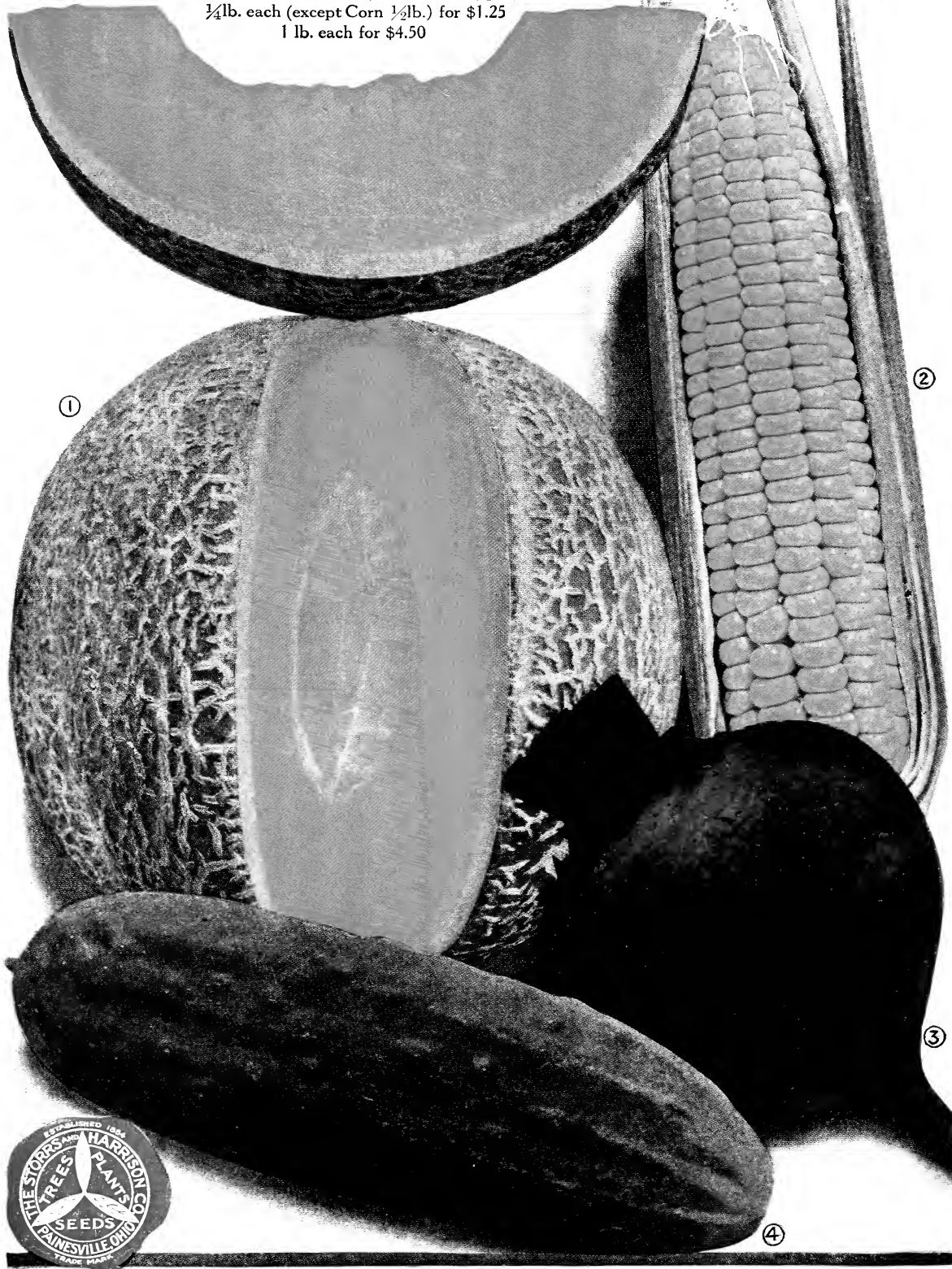
One each of these five Roses, by mail post-
 paid, \$5; by express, collect, \$4.75

Ten each (50 plants) by express, for \$45

1. Bender's Surprise Muskmelon
2. Bantam Evergreen Corn
3. Early Model Beet
4. Early Fortune Cucumber

THIS SEED COVER COLLECTION—By mail postpaid

1 pkt. each for 30 cents 1 oz. each (except Corn $\frac{1}{4}$ lb.) for 50 cents
 $\frac{1}{4}$ lb. each (except Corn $\frac{1}{2}$ lb.) for \$1.25
 1 lb. each for \$4.50





CATALOGUE No 2

SPRING 1926



THE PAINESVILLE NURSERIES

1854

INTRODUCTORY

1926

SEVENTY-TWO EVENTFUL YEARS have passed since our founders committed their first plantings to the soil, and displayed the pioneer Nursery business sign in northern Ohio. Favored by Nature as to soil, air, moisture and climate; and fostered by human intelligence, vision, courage, energy and persistence;—the successive plantings and harvests, acreage and equipment, have progressed in normal ratio with the advancing years.

TODAY, OUR RESOURCES embrace 1200 fertile acres of fortunately varied soils, each bearing its adapted crop. 45 green-houses with many auxiliary propagating frames; ample frost-proof, scientifically correct storage cellars; commodious packing rooms, work shops and warehouses specially designed for each purpose; adequate up-to-date special machinery and implements for preparing, planting and cultivating the soil, and for harvesting the matured products. Central location; with arterial railroad facilities and radiating highways, makes shipping easy and brings all markets close.

THE HUMAN ELEMENT. A trained contingent ranging seasonally from 250 to 400 men, and a competent office personnel; officered and directed in all departments by men reared in the Nursery business, and nationally accredited. It is their high purpose to maintain and perpetuate the "Golden Rule" policy of our foundation, thruout all business relations.

Sincerely,

THE STORRS & HARRISON CO.



Our Complete Stock makes it possible for customers to secure everything needed for orchard, kitchen-garden, lawn flower-beds, window-garden or conservatory on one order and normally, in but one shipment.

Our Seed, Plant and Tree Departments

are entirely separate. Many customers prefer having their seeds shipped very early, their bedding plants late, with the fruit and ornamental section in season between. Even when this arrangement is not specified, we sometimes thus exercise our discretion, for the customer's best interests.

How to Order. Please use order sheets found in front part of this catalogue, carefully filling in blank spaces and enclosing payment for full amount of order. Write very plainly, or print: name, post office, county, state, street and house number or R. F. D. where you get your mail; with explicit directions if stock is to be shipped to some other town. To avoid mistakes do not write letters on same sheet as orders.

When to Order. As soon as this catalogue reaches you, send in your complete order for seeds, plants and trees, with definite shipping instructions which we will follow as closely as possible. By ordering early, we are enabled to assemble possibly all of your list while supply is unbroken and "set it aside" awaiting desired, or proper, shipping time.

Late Shipments. Our land is cooled and vegetation kept dormant by proximity to Lake Erie, several weeks later than other sections of corresponding latitude. This enables us to dig and ship stock in perfect condition after trees in most other sections are in full leaf, and to supply the slowly warming points further north.

Non-Warranty. While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

Our Guarantee. All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee continued growth. Remember a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds, and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

Remittances should be made by post-office or express money order, bank draft or registered letter. Remittances in any other way are entirely at sender's risk.

Postpaid by Mail. We deliver postpaid to any post-office in the United States any article in this catalogue offered by mail.

Please bear in mind that parcel post shipments are limited in weight and volume, thus restricting mail service to small sized articles and rather small quantities.

Express Preferable. We do not prepay express charges. Where distance is not too great it is best to order by express: stronger stock in better condition can be sent, and if goods are miscarried or damaged, they can be more easily traced and damage rectified.

Catalogues. The following editions (except No. 1 free to all planters):

No. 1—One of the best descriptive catalogues issued; offering and describing a full line of fruit and ornamental trees, grape-vines, small fruits, roses, shrubs, climbing vines and hardy plants, with instructions for planting, spraying, etc., profusely illustrated with half tone cuts from photographs of desirable specimens. Price 10 cts.

No. 2—This one.

No. 3—Holland and other bulbs for fall planting, winter blooming plants, hardy perennial plants, shrubs, fruits, small fruits, grape-vines, etc., issued during August.

Orders less than \$1. We cannot afford to fill orders of less amount than one dollar, unless, in addition to amount for plants wanted, ten cents is sent. This does not apply to Seed orders.

(Signed) THE STORRS & HARRISON CO.

THE STORRS & HARRISON CO., Painesville, Ohio.

TESTED

SEED

SEED AND WAREHOUSE ROOMS

FOR GARDEN FIELD and FARM

Our Seed Trade is entirely through this catalogue. It is the only agent we employ. We send out no seeds to be sold again on commission, but deal direct with the planters; thus devoting all our resources to supplying them with the best and finest stocks obtainable at the lowest reasonable cost. The substantial increase in business each year, rewards our policy, and proves that our seeds are meeting the requirements of particular planters.

Days Required. We have placed in figures after the name of most varieties of vegetables, the approximate number of days required from seed sowing, for that variety to reach the state when it is ready for harvest and market. This feature has received much commendation from our customers for the valuable service it renders them. These figures are based upon tests made in our own locality under average growing conditions. It should be borne in mind, however, that as location, climate, rainfall and soil all have so much to do with crop production, the number of days given will vary with differing conditions.

About Prices. At prices named, all Seeds you may order in Packets, Ounces, Half-Pounds, Pounds or Two Pounds, will be delivered by mail, postpaid. If ordered delivered by express or freight, deduct from such prices at the rate of ten cents for each pound.

Unless noted, all other quantities larger than two pounds will be sent at purchaser's expense, whether by Mail, Express or Freight.

Guarantee of Genuineness. While we exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge all Seed that may prove untrue to name, or refund the amount paid; it is mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said Seeds that prove untrue.

(Signed) **THE STORRS & HARRISON CO.**

RELIABLE VEGETABLE SEED

Vegetable Seed Collection

**20 CHOICE VARIETIES
20 FULL SIZE PKTS.**

[DELIVERED TO YOUR HOME
BY MAIL POSTPAID, FOR -]

\$1.00

**A COMPLETE
VEGETABLE
GARDEN**

Aggregate Value \$1.80

1 Packet Beans, Hodson Wax.....	.10
1 Packet Beet, Crimson Globe.....	.05
1 Packet Cabbage, All Head Early.....	.10
1 Packet Carrot, Chantenay.....	.10
1 Packet Celery, White Plume.....	.10
1 Packet Corn, Golden Bantam.....	.10
1 Packet Cucumber, Davis Perfect.....	.10
1 Packet Lettuce, Denver Market.....	.10
1 Packet Musk-Melon, Early Hackensack.....	.10
1 Packet Water-Melon, Cole's Early.....	.10
1 Packet Onion, Yellow Globe.....	.10
1 Packet Parsley, Moss Curled.....	.05
1 Packet Parsnip, Hollow Crown.....	.10
1 Packet Peas, Nott's Excelsior.....	.10
1 Packet Radish, Scarlet Globe.....	.10
1 Packet Salsify.....	.10
1 Packet Spinach.....	.05
1 Packet Squash, Hubbard.....	.10
1 Packet Tomato, Spark's Earliana.....	.10
1 Packet Turnip, Purple Top White Globe.....	.05



Stringless Green Pod Beans

ARTICHOKE

CULTURE. To obtain globes the first year, the seed should be sown in February or March and kept growing until the weather is suitable to transplant to the open ground. Seed sown in May will not bear globes until the following year. Transplant into rows three feet apart, setting the plants two feet apart in the row. Protect through the winter by mulching and earthing up around the plants.

Green Globe. Raised for the young green flower heads, usually boiled or baked and eaten with a butter sauce. Pkt. 10 cts., oz. \$1.00.

ASPARAGUS SEED

CULTURE. Seed of asparagus should be sown early in the spring, in drills two inches deep. When seedlings are one or two years old, transplant (for the family garden) twelve to eighteen inches apart in the row, and cover crowns to a depth of two inches. For commercial usage plant in rows four to five feet apart, placing crowns eight to ten inches apart in the row. *One ounce to fifty feet of drill.*

PRICE. (Except Washington) Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Columbian Mammoth White. (2 years) This is a very vigorous growing sort producing splendid white shoots of finest quality.

Conover's Colossal. (2 years) Very large strong shoots of excellent quality, not as clear white as Mammoth White, but preferred by many.

Palmetto. (2 years) The very earliest green variety, of delicious flavor; very popular and profitable as a market variety.

Washington. (2 years) The result of long experimentation by the U. S. Department of Agriculture. Combines strong quick growth, extreme size, uniform development of stalks, dark green color and delicious flavor; with its greatest distinguishing quality,—that of being rust-resistant. Those who grow asparagus in quantity for marketing, will appreciate this feature. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

ROOTS of All Asparagus are offered on the last pages of the Fruit Department.

CULTURE OF BEANS. A light loam is best. Plant as soon as the ground has become thoroughly warm, in rows from two feet for hand cultivation, to three feet apart for horse cultivation, and every two weeks for a succession. Cultivate thoroughly and often, keeping a mulch of loose soil at all times; but when in bloom, cultivate shallow, as deep cultivation at this time causes many blossoms to drop, decreasing the yield. *One pound for 100 feet of row, 45 to 100 pounds per acre.*

BEANS

PRICE OF BEANS. Prices quoted for pkt., $\frac{1}{2}$ lb., lb., and 2 lbs., are postage paid by us. If ordered by express or freight, deduct 10 cts. per lb.

GREEN PODDED BUSH BEANS

Early Bountiful. (42 days) Very good looking, hardy and very vigorous plants, practically rust and mildew proof. One of the very first beans available in spring, prolific at all times, and among the latest to quit production in the fall. The pods are uniform, extra long, broad, meaty although flat, absolutely stringless and continuously brittle; of rich green color and distinctive flavor. As shell beans, they are of an unusual quality, either green or dried. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Black Valentine. (40 days) Vigorous; very long and slender round pods of quality. For very early planting it stands cold and damp soil better than any other sort. Absolutely rust proof, seed black. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Valentine. (43 days) A standard early variety. Pods of medium length, round, fleshy, tender and of good flavor; seed long, of medium size. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Kidney. (60 days) Large flat pods well-filled with large, red, kidney-shaped beans. One of the best varieties for use as a dry cooking bean, always in demand. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Stringless Green Pod. (42 days) One of the earliest and most hardy, producing an abundance of handsome round pods, many of which measure six inches in length, practically stringless. In addition to the excellence of its eating quality, and stringlessness, this variety has a long bearing season, which makes it very desirable for the small garden. Seed dark brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.



Davis Wax Beans

Detroit Wax. (45 days) The erect plants of this early dwarf variety are hardy and productive. Pods are of an attractive bright yellow color, broad and flat, four to five inches long. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Improved Golden Wax. (40 days) Pods are of good length, oval and quite thick, entirely stringless; of clear, waxy, golden yellow color, and fine buttery flavor. Seed white, mottled brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.



Hodson Wax

Hodson Wax. (50 days) A vigorous grower, the yield of large handsome creamy white pods enormous; very long, straight or slightly curved, flat but fleshy. While late in maturing, its remarkable vigor is an effectual safeguard against blight and other bean disease. Seed light yellowish brown, splashed with dull crimson. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Round Pod Kidney Wax. (40 days) Two popular characteristics of this bean are its freedom from disease and the abundance of large, lemon yellow, fleshy round pods which hang thickly on the plants, of fine flavor, stringless and free from rust. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Wardwell's Kidney Wax. (48 days) One of the most popular in this section, the large size of the pods making it especially desirable for either home or market use. The strong vines yield abundantly, pods long, flat, broad and of a delicate waxy yellow, brittle and of the best quality. Seed white, mottled with dark around the eye. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

FIELD BEANS

White Marrow. (60 days) Extensively grown for sale as a field bean for winter use. Seeds large white, twice the size of the Navy or Pea bean. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

Navy. A sure cropper, very productive, and best quality; much desired for baking. Dry beans, small, oval, white; green podded. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

If ordered by Express or Freight, remember to deduct 10 cts. per lb. from postpaid rate.

YELLOW PODDED or WAX BUSH BEANS Early Wonder Wax.

(35 days) The very earliest wax bean, becoming edible in 35 days, and bearing bountifully during a long season apparently regardless of whether it is wet or dry. Makes a strong plant 18 inches high with even greater spread, always well set with pods 5 to 7 inches long. These are flat, plump, meaty, and of a tender brittleness; their clear yellow color seldom scarred by rust. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts.

Davis Kidney Wax. (40 days)

This returns a large yield of handsome pods which are long; flat, clear waxy white and do not stain in canning. One of the best sorts for market as it ships well, delivering in good condition. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Round Pod
Kidney Wax

POLE or RUNNING BEANS

Plant from 10th to 15th of May in this latitude. The soil should be well enriched. Set poles four feet apart each way and plant six to eight beans around them; when well started, thin to three plants to each hill. The pole Limas are separately offered under "Lima Beans."

Early Golden Cluster Wax. (72 days) The finest of all the wax podded pole beans. It bears profusely its large, flat, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing long. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

Old Homestead or Kentucky Wonder. (65 days) An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown. Of varying pod length, but in their best young, brittle and most delectable state will average 7 to 8 inches. Not only the first pole bean to bear, but usually the last as well, an all season provider. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Lazy Wife. (70 days) One of the best for snaps of the later green podded Pole Beans. Pods borne in large clusters, are long, broad, thick, fleshy. Dry beans are excellent for winter use. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts.

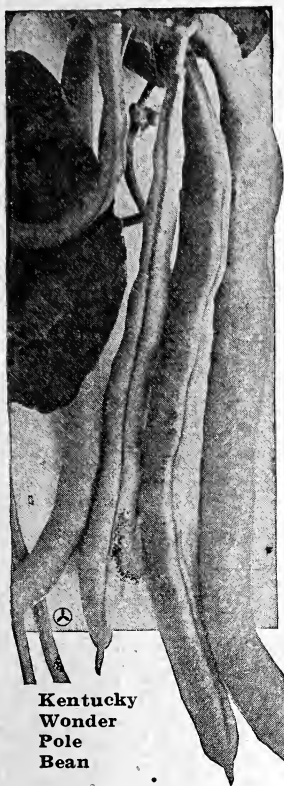
Horticultural or Wren's Egg. (75 days) This is the corn field favorite, the so-called October pole bean. Does equally as well planted in corn as on poles. Bean large, round, pink striped with red, of excellent flavor, used in pods or shelled, pods light green striped with red. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

LIMA BEANS

Being tender and liable to rot in the ground if it is cold and wet, must be planted later, say about the last of May or first week in June. Plant about one inch deep, with the eye down. Seed is very large, flat and usually white.

POLE LIMAS

Set poles three feet apart at time of sowing. Be liberal with seed, but thin to three or four plants.



Kentucky
Wonder
Pole
Bean

Carpenteria. A new early variety which bears abundantly, with three to five large, meaty beans to the pod. These are of rarest flavor and quality, retaining their distinguishing green color even after being dried. We would say this sort is one of the very best. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. 10 lbs. or more by express at 30 cts. per lb.

Early Leviathan. (75 days) Very productive, pods contain from 3 to 4 large tender beans of the best quality and fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. 10 lbs. or more by express at 25 cts. per lb.

Giant Podded (90 days) A prodigious cropper, with great clusters of well filled pods, both pod and beans very large. A little earlier as a rule than King of the Garden; of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts.

King of the Garden. (90 days) A vigorous grower bearing profusely. The beans are of good size and have a flavor unsurpassed by any variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. 10 lbs. or more by express at 25 cts. per lb.

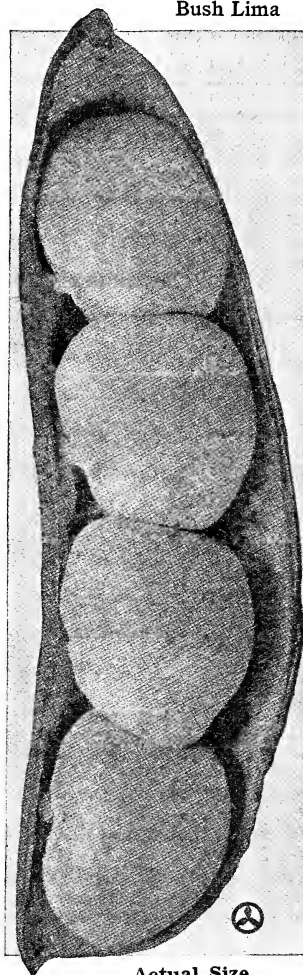
BUSH LIMAS

Identical with the pole varieties in size of pods. Plant in three foot rows, four inches apart; or in hills, two feet apart in the row.

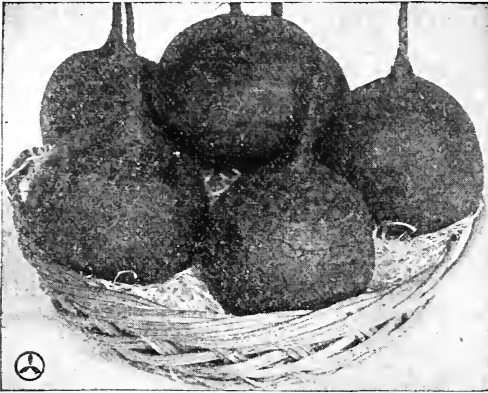
Burpee Improved Bush Lima. (85 days) Excellent flavored beans, borne on large vigorous plants. Extremely prolific, hanging in enormous clusters. Pods contain from four to six beans of greenish white color. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts. 10 lbs. or more by express at 32 cts. per lb.

Fordhook Bush Lima. (80 days) This is of an ideal bushy growth with stiffy erect stem and branches. It is an enormous bearer of plump well-filled pods which are borne in clusters of four to six, all ready for use at the same time. The beans are large, thick, and of most excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 55 cts., 2 lbs. \$1.00. 10 lbs. or more by express at 40 cts. per lb.

Fordhook
Bush Lima



Actual Size

**Crimson Globe Beet****BEETS**

Beets should have a rich loam soil. In preparing your seed bed, pulverize as fine as possible. Cultivate thoroughly and often. Sow as early as ground can be worked, in drills from twelve to eighteen inches for hand culture, to two and one-half feet for horse cultivation, cover to a depth of one to two inches. Continue sowing every ten days for a succession. Thin to a stand of four to six inches apart in the rows. *One ounce to sixty feet of drill; five to six pounds per acre.*
PRICE, unless noted: Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

Crimson Globe. (45 days) Of fine shape, with a smooth and attractive dark red skin and small tap root. The interior is a rich deep crimson and fine grained in texture.

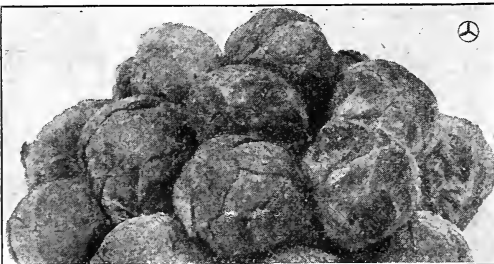
Crosby's Egyptian. (40 days) Improved Early Egyptian; thicker, smoother, better color and quality.

Detroit Dark Red Turnip. (50 days) Globular; smooth, dark blood red; flesh bright, tender, sweet.

Early Model. (45 days) (See front cover). Early, of perfect globe shape, and fine quality. The beets are always smooth, of the deepest blood red color and quickly attain a good size. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

Eclipse. (45 days) Early, extra fine quality, smooth, round; skin and flesh red, fine grained and sweet. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.00.

Half Long Blood. (65 days) Best for winter use.

BRUSSELS SPROUTS

Highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely to the stalk of the plant, being produced in abundance from tip to ground level. Quality and flavor much improved by frost. Seed should be sown thinly in drills early in June, the plants reset when six inches high into rows 3 to 4 feet apart, 18 to 24 inches apart in the row.

Improved Dwarf. (125 days) Grows 1½ feet high, and is very productive. Pkt. 10 cts., oz. 25 cts.

Swiss Chard Lucullus. The plants grow to a height of two to two and one-half feet. The stalks are heavily ribbed, and from ten to twelve inches long below the leaf; are delicious when cooked and served in the same manner as asparagus. The leaves are large, heavily crumpled or "savoyed," crisply tender and of fine flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach. Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., lb. \$1.50.

SUGAR BEETS and MANGELS

The directions for beet planting answer for sugar beets and mangel wurzels, except that these should be drilled in rows 2½ feet apart and thinned to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when beets are young. Discontinue cultivation as soon as the roots mature, which state is indicated by drying of leaves. Further cultivation injures them by inducing new growth. Store in earth covered heaps.

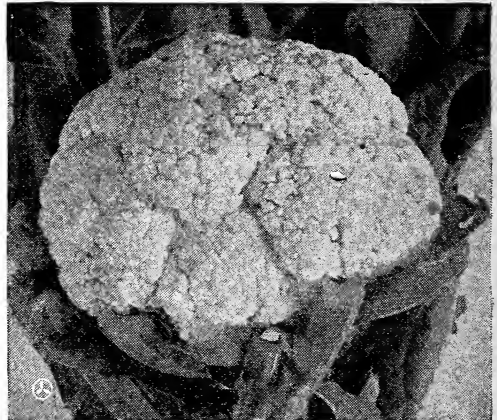
Giant Half Sugar Rose. (95 days) White, with a rosy top; flesh pure white.

Golden Tankard. (95 days) A golden fleshed mangel; roots half long and very large.

Klein Wanzleben. (65 days) 100 tons have made 18 tons of sugar.

Mammoth Long Red. (115 days) Long smooth roots of large size.

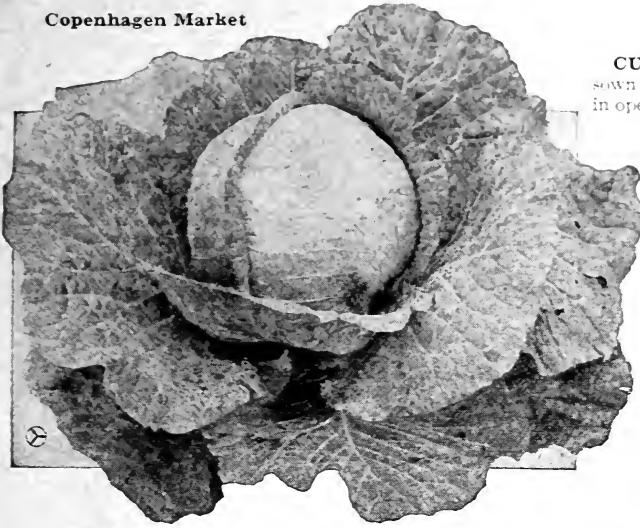
PRICE OF MANGELS—Oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts. 10 lbs. or over by express at 50 cts. per lb.

CAULIFLOWER**Early Snowball Cauliflower**

CULTURE. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in January or February in hot bed, and transplant to cold frame when sufficiently large, and to the garden as soon as the ground is warm enough. For late autumn crops, sow in the early part of June, and transplant in July, **Danish Giant or Dry Weather.** (100 days) A late variety and a splendid drouth resister. Heads are large and while not so close as Snowball or Erfurt it makes a splendid pickling type. Sure header in even the driest weather. Pkt. 20 cts., ¼ oz. 80 cts., ½ oz. \$1.50, oz. \$2.50.

Early Snowball. (90 days) Very early, and one of the surest to head. If seed is sown March 1st, large-sized heads will be produced early in June. Its dwarf habit of growth renders it one of the best for forcing under glass. Valuable for late planting also. Pkt. 20 cts., ¼ oz. 80 cts., ½ oz. \$1.50, oz. \$2.50.

Copenhagen Market



CABBAGE

CULTURE. The early varieties should be sown very early in the spring in hot bed or later in open ground. Plant out 18 inches by two feet apart. The late varieties are usually sown by the last of May and the plants set out in July, in rows three feet apart and two feet apart in the rows. One ounce will produce 3,000 plants. One-quarter pound of seed in beds enough for an acre.

All Head Early. 90 days Of the flat head type. The earliest of all large cabbage. They are solid. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

American Drumhead Savoy. 110 The Savoy's excel all other cabbages in flavor, and this is the best of the Savoy's. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Charleston or Large Wakefield. 85 Popular with market gardeners in the south. About a week later

than Early Jersey Wakefield, but larger. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Copenhagen Market. (75 days) Produces magnificent heads similar to Danish Ball Head, weighing from eight to ten pounds. We unhesitatingly recommend this variety to commercial grower and home gardener alike, as worthy of extensive planting. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Danish Ball Head. (120 days) Dutch Winter or Hollander. The heads are of medium size, solid and deep, averaging in weight nearly eight pounds. Their quality is superior and they are just as solid in spring as when put away in the fall. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Early Jersey Wakefield. (75 days) This is the hardiest and hardest heading of the extra early sorts, and most Northern gardeners depend upon it for their first crop. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Eukhuizen Glory. (80 days) An excellent early variety that has become very popular with the market gardeners. Heads are medium sized, dark green color, solid and heavy. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Early Spring. (80 days) The earliest of the flat headed varieties, producing a compact head upon a short stem. Quality is of the best, sweet and tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Odense Market. (110 days) A superior variety of red cabbage. Dark red in color, heads medium sized, hard and heavy. Desirable for pickling and salads as well as general use. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Premium Flat Dutch. (110 days) A good cabbage for late use. It possesses all the good qualities of the late Flat Dutch, and is a sure header. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75.

Sure Head. (100 days) Makes a solid large head, with few outer leaves. A strong, vigorous grower. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Mammoth Rock Red. (110 days) By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, deep red inside as well as out. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

CHINESE CABBAGE

CULTURE. For early use sow in hot bed in Feb. or March. When four inches high transplant, if the weather is suitable, one foot apart in two and one-half foot rows. For late or main crops, sow in Aug. or early Sept.

Pe Tsai. While not a cabbage, it is closely related, both belonging to the Brassica family. When well grown, makes a head 15 inches long and 4 to 5 inches in diameter, blanching to a beautiful white. May be eaten as a salad or is delicious when cooked in the various ways cabbage is served. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.



American Drumhead Savoy



Mammoth Rock Red

CARROTS

Chantenay Carrots, Illustrated



CULTURE. Cover the seed about one-half inch, pressing the soil firmly. Sow as early in spring as the ground can be worked; and for late crop from May 1st to June 1st, in drills 15 inches apart. Thin to three or four inches apart in row. $2\frac{1}{2}$ lb. of seed will sow an acre, or 1 oz. to 200 feet of drill.

Chantenay. (60 days) Uniform shape, intermediate in size, deep golden orange; fine for table use. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Danvers. (75 days) A smooth carrot of good size. One of the best for stock feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Guerande or Ox Heart. (75 days) A variety good either for family use or market, and profitable for feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Improved Long Orange. (75 days) A long variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Improved Nantes. (65 days) Half-long, almost cylindrical, blunt end and very small tap root. Flesh fine grained, with very little core, the skin orange, and very smooth; one of the best table sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Large White Belgian. (90 days) Giant stock feeder. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

CELERY

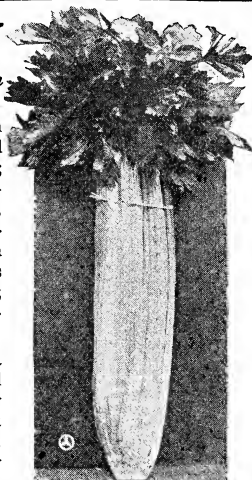
3,000 to 5,000 plants from one ounce of seed.

CULTURE. Sow in open ground as soon as the soil can be perfectly worked; roll or firm the lightly covering soil to retain moisture, as the seed is slow to germinate. Sowing in rows ten to twelve inches apart is preferable to broadcasting; this means allowing cultivation to be kept up.

Transplant in July to a previously prepared bed made considerably richer than seed bed, six to eight inches apart in the row. Single rows should be four feet apart; but twin-rows ten inches apart (doubling returns with the same labor) should skip six feet.

Columbia. (110 days) An early maturing sort, of medium height, but very stocky and heavy; the foliage a distinct light green tinged yellow. The stalks are thick, almost round, a rich yellow tint, unsurpassed in quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

Easy Blanching. (110 days) Crisp and delicious, attractively colored. Plants set out in June are fully matured and ready for use early in September. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.



Golden Self-Blanching

Golden Self-Blanching. (110 days) Rarely, if ever, pithy; and of a rich golden yellow color, self-blanching. Our seed is genuine French grown, of finest quality, in greatest demand among market gardeners. Pkt. 10 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.50.

Giant Pascal. (135 days) For second early and midwinter use. The stalks are large, thick, solid, crisp and of a rich nutty flavor, free from bitterness. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

White Plume. (120 days) Its eating qualities are excellent; its white feather-like foliage a real table ornament. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. 80 cts.

Winter Queen. (140 days) This is one of the finest varieties for winter use. Makes a stocky, vigorous growth, blanching readily to a beautiful creamy white. Hearts are large and solid, very crisp and tender. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Celery for Flavoring. Excellent to use for flavoring soups, pickles, etc., although germination is too poor for use as seed. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

Celeriac Giant Prague. (125 days) The root is turnip-shaped, sweet and tender, and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts.

COLLARDS

Georgia. Forms a loose head of cabbage-like leaves which are largely used for greens. May be used as soon as large enough, but are improved with frosts. Sow seed in open ground, and when well started thin to 15 inches apart in the row. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.



Giant Pascal Celery

FIELD CORN



White Cap Yellow Dent

Drought-Proof Yellow

(90-100 days) This variety resists dry

weather and scorching heat better than any other sort. It is a large grained Dent, earlier than Leaming. Grain is a bright golden yellow. Stalks are strong and heavy, bearing large well shaped ears. Heavy producer, being exceeded by no other in yield per acre. The beautiful deep grains, large handsome ears, and the abundance of fodder make it a variety to be desired for general use.

Improved Leaming (100 days)

One of the most desirable varieties of standard yellow corn. Being a medium early sort it will mature farther north than many varieties and is adapted to all but the most northern parts of the corn belt. The ears are large, of good shape, and well filled with deep grains. This variety is excellent for fodder or silage as the tall stalks are well filled with foliage.

**Im-
proved
Leaming**

CORN is king of all the cereals. Upon this crop is dependent much of the wealth and prosperity of the country. Statistics show that the average yield of corn in the United States is less than thirty bushels per acre. While weather conditions play an important part in the yield of any crop, the poor showing made in corn is largely due to carelessness in the seed planted. Many farmers pay no attention to the quality or germinative power of seed they use. By planting selected seed, known by test to be of high germination, much of this loss could be prevented and the yields greatly increased. Northern grown corn has long held the reputation of being superior to all others for seed purposes. It is more hardy and ripens earlier. Our seed corn is all Northern Ohio grown along the shores of Lake Erie. It is hardy productive stock, tested for germination before it leaves our hands. To aid in handling and shipping, we supply all corn shelled ready for the planter.

Prices for one pound and two pounds are postage paid; if ordered by express deduct 10 cts. per pound.

Ten to twelve pounds of seed are required to plant one acre in hills. For silage, thirty to thirty-five pounds are required.

All varieties. lb. 25 cts. By express or freight 10 lbs. or over at 8 cts. per lb. 100 lbs. or over at 6½ cts.

Pride of the North

(80-85 days) This

is the earliest of all the yellow Dents and the most dependable for maturing a crop. An ideal corn for the northern section. The ears are of fair size with extra small cob, will produce as much shelled corn to the acre as most of the large eared varieties.

Reid's Yellow Dent.

(100 days) This is without doubt the most popular variety of corn grown in this country. The large ears, eight to eleven inches long, have eighteen to twenty rows of closely set kernels upon a very small cob. The color is a rich deep yellow, with the cap of kernel slightly lighter, kernels dented.

White Cap Yellow Dent (85-95 days)

We have an excellent strain of this popular variety which is one of the most satisfactory sorts to raise. Succeeds on almost any kind of ground and is a heavy yielder. Ears are good sized and deep grained. The kernels are a beautiful lemon yellow with a well dented white cap.

ENSILAGE CORN

Cuban Giant Ensilage. (120 days) Where a heavy growth for ensilage purposes is desired, we believe we offer in Cuban Giant the ideal variety. Makes an enormous growth, stalks tall and plenty of forage. The grains are pure white, broad and long, of good vitality. A good milk producer, sweet and tender. 10 lbs. or more by express at 8 cts. per lb. 100 lbs. or over at 6½ cts.



SWEET CORN

Plant in hills 3 feet apart each way, or in 4 foot rows with hills a foot apart. Cover only a half inch; and thin out to three plants to a hill.

Please note that prices quoted for Pkt., ½ lb., lb. and 2 lbs. are postage paid by us. If ordered by express or freight, deduct 10 cents from pound rate.

One pound plants 150 hills; eight to twelve pounds per acre; in drills or broadcasted for fodder 20 to 50 pounds per acre.

EXTRA EARLY VARIETIES

Golden Bantam. (60 days) Whatever the reason, you all know it for a fact that this is the most popular sweet corn ever used. "Golden Bantam" is a household word. Older, contemporaneous and future varieties must compare with it for rating. Matures with the earliest and by making a planting every two weeks, may be had from early summer until frost. Kernels are a rich golden yellow, tender, with a flavor exceptionally rich and pleasing. Ears are eight rowed, six to seven inches long, just the right size for serving on the cob. Sweetest of all corns. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. 10 lbs. or more by express at 25 cts. per lb.

Barden's Wonder Bantam.

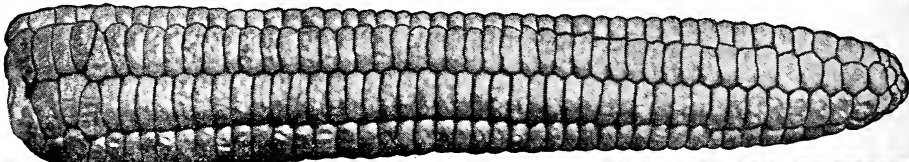
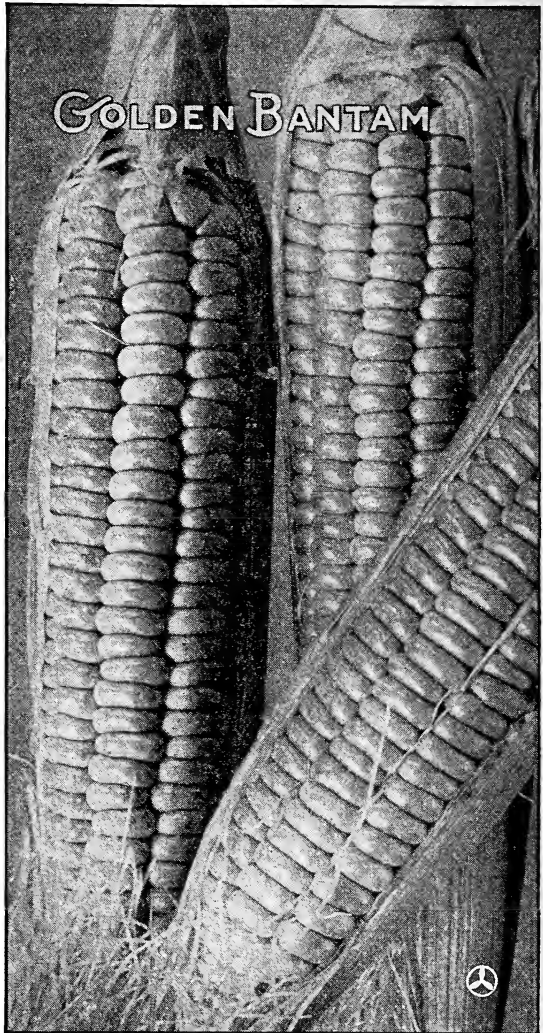
(60 days) This improved type exemplifies Golden Bantam at its best—early, richly colored, plump, juicy and distinctively flavored; but going further towards perfection from the Marketer's and Canner's standpoint, Barden's Wonder produces higher up on taller stalks (5 to 6 feet); ears much longer (8 to 10 inches long), thus greatly increasing the tonnage per acre and consequent profit, at no sacrifice of earliness or Bantam quality. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts.

Extra Early Adams. (52 days) Not a sweet corn, but is so hardy that a planting may be made before it is safe to plant the sweet varieties. Roasting ears may be had extremely early and are of good quality. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts.

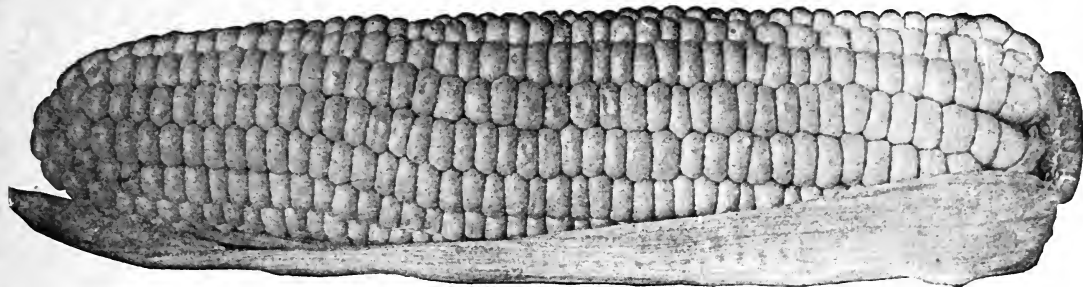
Howling Mob. (65 days) This is a very popular variety. It is the largest eared of all the early sorts and usually produces two ears to the stalk. Ears from 7 to 9 inches long, well protected with husk, kernels large and pure white. A fine variety for market. Pkt. 10 cts., ½ lb. 25 cts. lb. 40 cts., 2 lbs. 75 cts. 10 lbs. or more by express at 25 cts. per lb.

Kendel's Early Giant. (65 days) Early, yet the ears grow to a remarkable size, measuring 8 to 10 inches in length, with usually 12 rows to the ear. Kernels are pure white and of splendid eating qualities. This variety is a prime favorite with the market gardener and is an excellent sort for the home garden. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

Mammoth White Cory. (65 days) Large ears with twelve rows of perfectly formed kernels. The grains are large, pure white and of excellent quality. For an early pure white sugar corn this old favorite is unsurpassed by any. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.



Barden's Wonder Bantam—illustrated to show the increased length of ears.



Stowell's Evergreen

MEDIUM EARLY SWEET CORN

Bantam Evergreen. (70 days) Bantam Evergreen is the result of a cross between Golden Bantam and Stowell's Evergreen. It has inherited all the good qualities of both parents. It is as sweet as Golden Bantam, the same beautiful color, but in addition has an ear nearly as large as Stowell's. The kernels are deep grained, plump, a beautiful cream color at the eating stage. Pkt. 10 cts. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts.

Country Gentleman. (70 days) This is sometimes known as shoe-peg from the small peg-like kernels, irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. The quality of this variety is fine and is preferred by some to all others. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

Early Evergreen. (70 days) This variety is about 10 days earlier, with nearly as large an ear as the Stowell's, and equal to it in every other respect. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

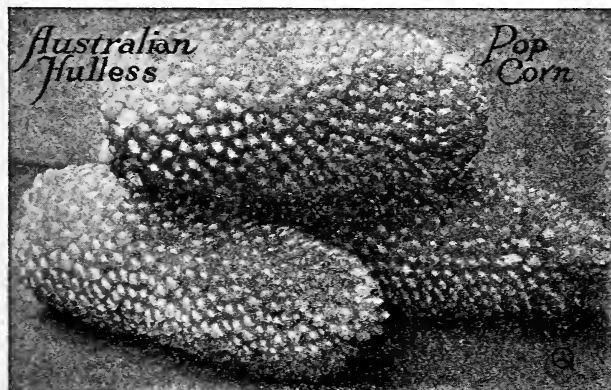
LATE SWEET CORN VARIETIES

Black Mexican. (75 days) One of the most sugary. The grains when first perfected are pure white, and at their best. They then become dark, though still retaining their sweetness. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

Stowell's Evergreen. (80 days) The old popular variety. Hardy and productive, tender and sugary, remaining a long time in a condition suitable for eating. A good sort to plant for fodder, as it makes a rank growth of heavy forage. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 18 cts. per lb.

SWEET CORN FOR FODDER

There is nothing better for green-feed or curing for forage than Sweet Corn. Cattle highly relish it and keep in fine condition when fed upon it. Dairy cows who receive a regular ration of corn-fodder give an abundance of milk. Also excellent for soiling. Sow thickly in drills, or broadcast at the rate of 2 bu. per acre. 10 lbs. or more by freight or express at 12 cts. per lb.; 100 lbs. at 10 cts. per lb.



POP CORN

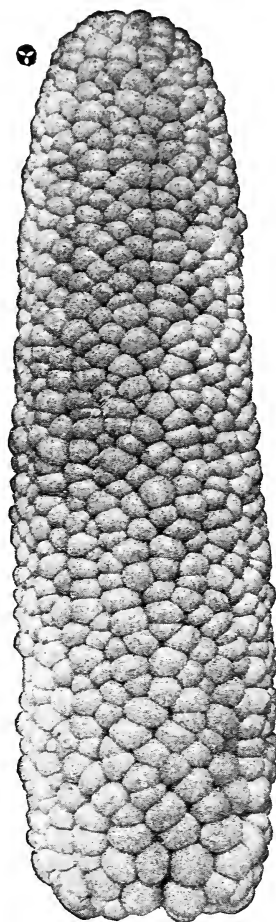
Sow in rows 3 feet apart soon as beans can be planted using more than one row, to ensure pollinization, covering 2 to 3 inches deep with fine soil. Thin the plants to stand 10 or 12 inches apart in the row. The ears should be allowed to dry out thoroughly, before attempting to pop.

Pkt. 10 cts., lb. 30 cts. 10 lbs. or more by express at 15 cts. per lb.

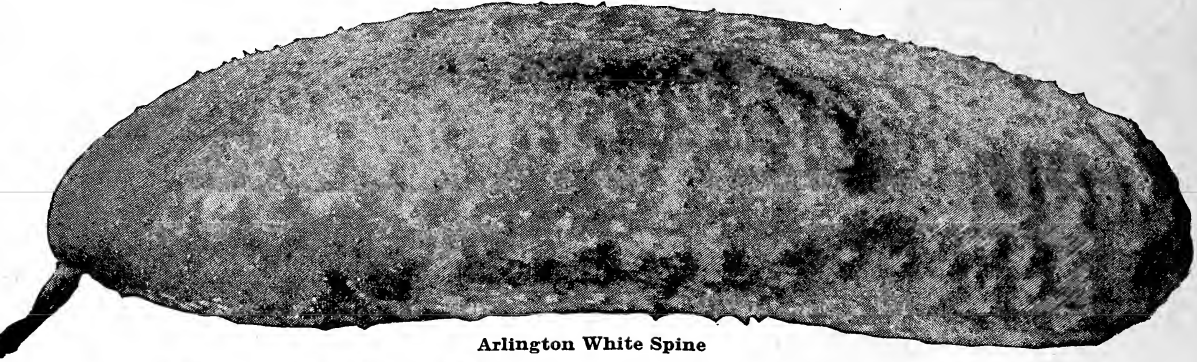
Australian Hullless. Various known as "Tom Thumb" or "Bumble Bee" popcorn, distinguished by an absence of hull or shell when popped. Dwarf growing, but a heavy yielder of short, chunky ears. The kernels are pearly white, unusually long and slim, of splendid popping quality and appealing flavor

Queen's Golden. Stalk five to six feet; two or three large ears each. Kernels rich yellow but pop out pure white over an inch in diameter.

White Rice. Three or four short ears, kernels long and pointed resembling rice in shape as well as its pearly white color. A splendid popper.



Country Gentleman



Arlington White Spine

CUCUMBERS

Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills four to six feet apart each way, with 10 to 12 seeds in a hill; cover one-half inch deep. Air slaked lime or "Slug Shot" sprinkled on the plants every few days as soon as they are up will protect them from the striped beetle. When all danger from insects is past, thin out plants, leaving three or four of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. *One ounce to 50 hills. 2 to 3 lbs. per acre.*

Arlington White Spine. (55 days)

This strain of White Spine has been much improved by careful selection and is much superior to the old sort. It is a rich green in color and is very productive. One of the best varieties for forcing, equally good for outdoor planting. Often sown mixed with Long Green for assorted pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Cool and Crisp. (65 days) Fruits are straight, long, even and slim, and of a healthy dark green color. Very productive, and by reason of its uniform shape, makes one of the best pickling sorts, also excellent for slicing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Davis Perfect. (50 days) A first-class variety for forcing under glass; also for outdoor culture, and shipping. The color is a dark glossy green, long, slim in shape. It is tender and of exceptionally good flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Everbearing. (65 days) Everbearing is one of the best pickling varieties we offer. The young fruit is symmetrical, deep in color and crisp. It is of medium size and makes a fine pickle. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.



Davis Perfect Cucumbers

Early Cluster. (50 days) Vines vigorous, producing the crop near the roots and in clusters. Fruits short, early and of good shape for pickling. Very prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Early Fortune. (52 days) (See illustration on second page of cover) For

a good all-round cucumber this distinctive variety is the finest yet introduced. The rich dark green fruits when matured at the slicing stage average $7\frac{1}{2}$ to 8 inches in length and retain their color remarkably long. The flesh is firm, with a small seed cavity, making it a good shipping and market as well as pickling sort, producing an enormous quantity. The vine growth is very vigorous, and the large leaves, very resistant to disease. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Improved Chicago Pickling. (68 days) Very popular with the market gardeners. Fruit is of medium length, pointed at each end with large and prominent spines, color deep green. It is an extremely prolific variety and is one of the best for those who want crisp, coarsely spined pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Improved Long Green. (65 days) This is a popular variety extensively grown both for slicing and pickling. Of excellent quality, dark green, firm and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Lemon Cucumber. (55 days) New and entirely different type; shaped and colored like a lemon, with fine flavor. For slicing and salads they excel, having none of that bitter taste so often found in cucumbers. May be eaten green, but is at its best just as it is turning yellow. Makes excellent pickles. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

West India Gherkin. Grown exclusively for pickles, to be picked when young and tender. Oval, two to three inches long, and thickly studded with heavy spines. Pkt. 10 cts., oz. 25 cts.

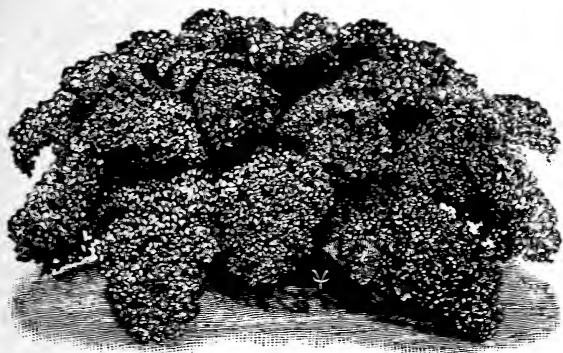
CRESS

Pepper Grass—Extra Curled. Extensively used as a small salad with lettuce. The leaves while young have a warm pungent taste. Sow rather thick in shallow drills, and at short intervals during the season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Water Cress—Erfurt. Hardy perennial aquatic plant, growing along streams and ponds. Sow seed at edge of water, covering lightly, may also be sown in tubs. Pkt. 10 cts., oz. 40 cts.

DANDELION

CULTURE. (55 days) Sow early in spring in drills 18 inches apart; thin out and cultivate; they will be fit for cutting the next spring. For roots, sow in September, and cultivate well; they will be fit to dig next October. Our seed is from carefully selected thick-leaved stocks. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

**Dwarf Green Curled Kale**

EGG PLANT

CULTURE. Sow in hot bed early in spring; transplant two and one-half feet apart each way after weather becomes settled and warm. If no hot bed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris green applied same as to potatoes will keep them in check. *One ounce to 1,000 plants.*

Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts., ¼ lb. \$1.50.

Black Beauty. (140 days) The fruits are broad and thick, of attractive form and finest flavor; rich purplish black, entirely free from spines or thorns.

Improved Large Purple. (125 days) Fruit remarkably large, often measuring 12 inches in depth and 9 inches in diameter, weighing five to six pounds.

ENDIVE

A fall and winter salad. For early use sow in April; for late or main crop, in June or July, in drills 14 inches apart; when two or three inches high thin to one foot apart in the drills. When fully grown should be blanched. **Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts.**

Large Green Curled. (40 days) A broad leaved variety.

White Curled. (35 days) Pale green, mid-rib yellow.

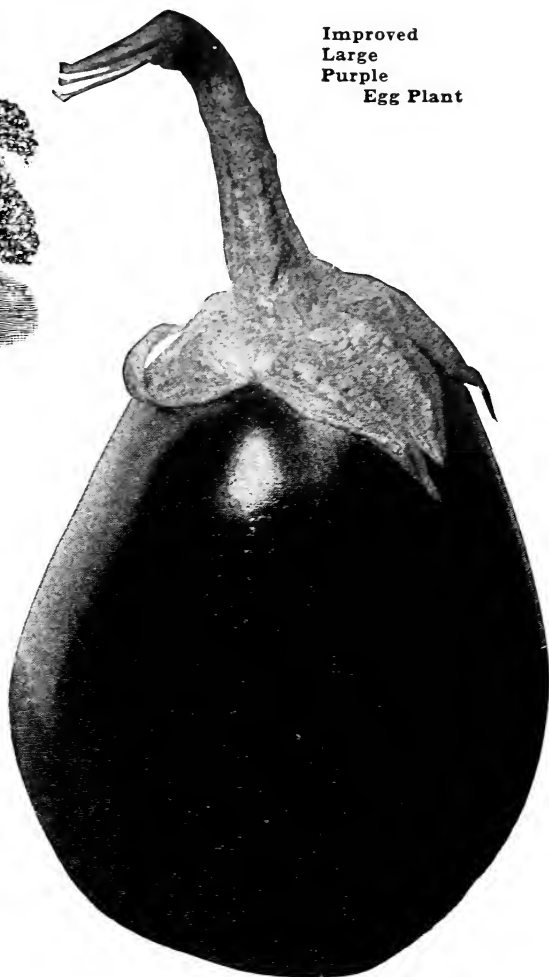
Broad Leaved Batavian. (Escarole.) (45 days)

Good as a salad, or cooking like Kale or Mustard.

KALE

CULTURE. Kale is one of the hardiest of "Greens" belonging to the Cabbage family. Sow either in rows or broadcast; in early spring, for summer and fall use; August or September for spring use. *One to two pounds to an acre. One oz. of seed should produce about 3,000 plants.*

Dwarf Green Curled. (55 days) This is the most popular variety, dwarf and very hardy, with splendidly curled leaves, tinged slightly with yellow. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**

**American Flag Leek**

**Improved
Large
Purple
Egg Plant**

KOHL RABI

A turnip-rooted cabbage, the edible part being the bulb which grows on a stalk a few inches above the ground. Use before bulbs get to be more than two inches thick, as all varieties are tough and stringy when overgrown. It is well to remove the thick outer skin before boiling. They may be served just like turnips.

CULTURE. The seed should be sown in the spring three-fourths of an inch deep in drills two feet apart. When the plants are a few inches high, thin to eight inches apart. *Two pounds of seed for one acre.*

PRICE. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

Early White Vienna. (50 days) Dwarf, small, early; bulb handsome, firm, glossy white; the best variety for the table.

Purple Vienna. (70 days) A fine purple type much liked for later use.

LEEK

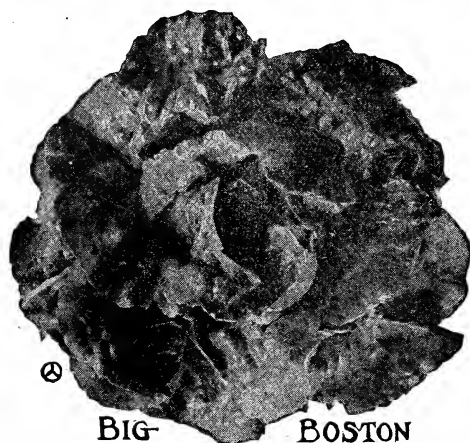
American Flag. (70 days) Closely allied to the Onion, it is used in soups, stews, or boiled whole and creamed; its mildness and distinctive flavor making it very popular. The entire lower portion, or neck, of the plant is used. Sow early in the spring in drills one inch deep and one foot apart. When six or eight inches high transplant as deep as possible, that the neck may be blanched. *One ounce to 150 feet drilled. Pkt. 10 cts., oz. 25 cts.*

LETTUCE

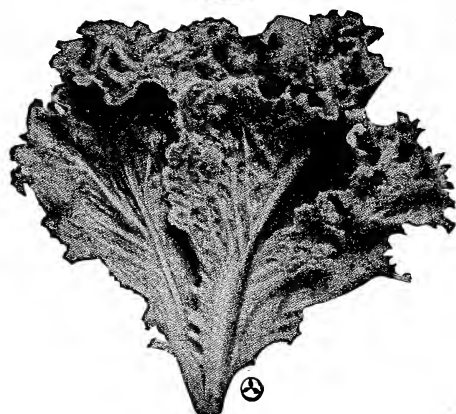
CULTURE. Lettuce seed should be covered very shallow to secure germination, especially the black seeded if sown under glass or in the house. For early spring use sow in September and protect through the winter in cold frames the same as cabbages, or sow in hot beds in March and transplant to open ground as soon as it can be worked. For late supplies sow in the open ground as soon as the season will permit, in rows one foot apart; thin out plants one foot apart in rows. If sown every two or three weeks to the middle of August, it may be had in perfection the entire season. *One ounce will sow 125 ft. of drill and produce 3000 plants.*



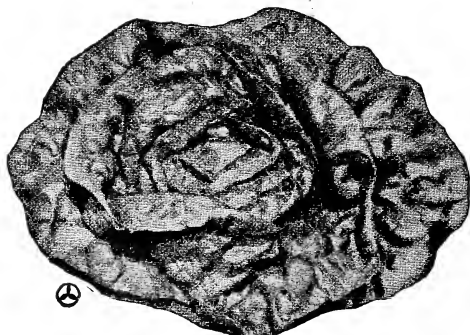
New York or Wonderful



BIG BOSTON



Grand Rapids



May King

California Cream Butter. (42 days) A very popular variety of head lettuce. Forms a large head of a rich buttery flavor. Leaves are thick, the outer ones green, slightly tinged with brown. An easy sort to grow and ship. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Big Boston. (45 days) Of the head types it is easily the leader, giving equally good results under glass or in the open. Leaves are light green and very tender. Our strain of this variety is unsurpassed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Black Seeded Simpson. (40 days) The leaves are thin, tender, and of a light green color; very early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Denver Market. (45 days) An early lettuce for forcing or open ground culture. The leaves are beautifully curled and crimped. Crisp, tender and of excellent flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Early Prize Head. (50 days) Bright green, tinged with brownish red, of superb flavor, tender and hardy. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Grand Rapids. (38 days) As a forcing variety for winter and early spring use this stands at the head of the list. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Improved Hanson. (45 days) Heads large, fine form, deliciously sweet, tender and crisp, color green outside and white within. Intermediate between the loose-leaved and heading varieties (black seeds). Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

May King. (42 days) Grown outdoors it is extremely early, maturing handsome light green heads of good size, unsurpassed in quality, and solid enough to make it a good shipper to distant markets. For forcing under glass it is most desirable. A first-class all purpose variety. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

New York or Wonderful. (55 days) The largest heading lettuce known. They attain 15 to 18 inches across, and are solid as a cabbage, heart being particularly solid, and colored a tempting light green. Unrivalled for long season; crisp, tender and delicious. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75.

Wayahead. (42 days) One of the very earliest and surest to head, either in cold frame or open ground; of large size, tightly folded, the interior blanched to a rich butter yellow. Quality is extra fine throughout the season. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

White Self-Closing Cos. (55 days) Of all celery or Cos lettuce, this is the leader. Beautiful light colored outer leaves, centers blanching to a pure white, very tender and of delicious flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.



CULTURE. Melons require rich soil. Sow ten to fifteen seeds to each hill, which should be six feet apart each way. When well started thin out to three or four strongest plants. *One ounce will sow or plant fifty hills, two or three pounds to the acre.*

PRICE, unless otherwise noted—Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.50.

Banana. (85 days) Makes a long banana-like growth, very fragrant and of delicious flavor. Excellent for the home garden.

Bender's Surprise. (See illustration on second page of cover.) An oval, heavily netted melon averaging ten pounds, of delicious flavor and sweetness. The deep orange flesh is very thick, the rind very firm, which helps hold them in good condition a week after picking. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Burrell's Gem. (75 days) Rich dark green, well ribbed and covered with a fine grayish netting. The deep orange-salmon flesh is thick and firm, ripening close to the skin, sweet and tender. Holds up well when shipped and is a good sort for any market.

Early Hackensack. (60 days) This is an extra early, large, and productive variety. The fruits are deeply netted, flesh light green; of most excellent quality. On account of its earliness this melon is recommended for sections with a short season.

Edwards Perfecto. (75 days) Derived from Rocky Ford, showing also a trace of Burrell's Gem. It is round without ribs, heavily netted; the salmon pink flesh exceedingly thick, sweet and spicy; a splendid shipper. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Emerald Gem. (80 days) Very popular with both home and market gardeners; dark emerald green, with lighter stripes. Flesh very thick, dark salmon.

Fordhook. (70 days) The thick flesh is very firm, salmon, very highly flavored; seed cavity small; early and continuous; heavily ribbed, medium in size, weighing about two pounds.

Hearts of Gold. (70 days) Good to look at with its fine netting, fairly distinct ribs, uniform just-right

table size, and satisfying abundance. The flesh is a luscious pink and gold, with little waste in seed cavities; flavor unexcelled; shipping profitably. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Honey Ball. (90 days) The sugar sweet flesh of Honeydew encased within the thin, firm, perfectly round rind of Cannonball. Of medium size, hardy, prolific and long keeping, this combination of two fancy types is of exceptional quality when ripened on the vine, and commercial value. Pkt. 15 cts., oz. 75 cts., ¼ lb. \$2.00.

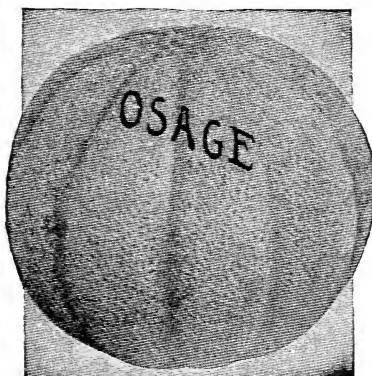
Honey Dew (120 days) Much in demand at fancy prices in the markets. They are nearly round in shape, with a hard, firm white smooth rind that enables them to be safely shipped any distance. The flavor is unlike that of any other melon and is sweet as honey. Requires rich warm soil and a fairly long growing season. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

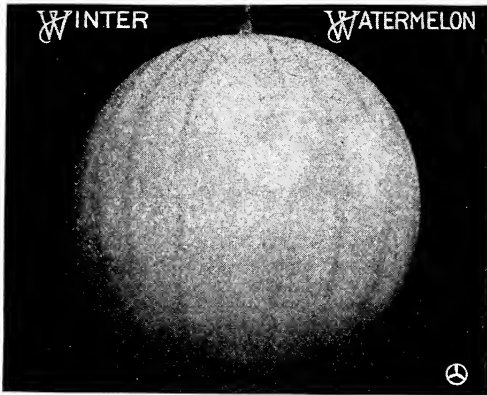
Lake Champlain. (57 days) A new variety which has proved out supreme in numerous widely separated tests for hardiness, earliness, productiveness and quality. The melon is medium sized, intricately netted, moderately ribbed; the flesh is deep, very sweet and melting, of a beautiful golden yellow color. The plants are very vigorous and busy, ripening perfect fruits even under adverse conditions, far in advance of all competing varieties. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.00.

Osage. (Selected) (75 days) Of uniform quality, sweet and delicious. The skin is thin, dark green and slightly netted; the flesh deep salmon, of spicy flavor. A good keeper and largely planted. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Rocky Ford. (70 days) Flesh greenish white in color, very juicy and rich and good clear to the rind. Medium, round, oval; an excellent keeper.

Tip Top. (80 days) Very productive medium size, nearly round, slightly ribbed and fairly well covered with shallow netting; flesh deep yellow.



**Harris' Earliest**

WATER MELON

CULTURE. The best soil for growing these tempting, luscious products of the field, is sand; but well drained loam if sun-warmed, will produce excellent crops. Plant in hills eight feet apart each way, using a shovelful of well rotted manure in each hill, thin to six plants to hill; after all danger of bugs is past, further thin to four plants. Do not plant melon seeds until the ground is thoroughly warmed. Use "Slug Shot" for bugs. *White seeded varieties.

One ounce plants 20 to 40 hills or four pounds for one acre.

Citron. (100 days) Red seeded. For preserving. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts.

Cole's Early. (65 days) A choice melon for the home garden. The flesh is bright red, crisp, sweet and of fine flavor, of medium size, but solid, with thin rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Fordhook Early. (60 days) An extra early melon of fine flavor and large size. Color a uniform medium green. Flesh red and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

***Halbert Honey. (75 days)** The melons are 18 to 20 inches long, full and round at both ends; skin dark glossy green and flesh a beautiful crimson; excellent for nearby market as well as for home use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Harris' Earliest. (60 days) The best variety for northern latitudes, largest and sweetest of all the early melons. Oval in shape, green striped with gray, attaining a weight of twenty to thirty pounds. Firm hard rind, shipping well; flesh bright red and tender, very sweet and delicious. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Ice Cream. (85 days) Medium size, nearly round, pale green, thin rind, flesh solid, scarlet, of delicious

flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

***Irish Grey. (90 days)** The tough rind withstands long shipping, and helps the melon to keep well; besides displaying an oval surface of attractively mottled greenish grey. The flesh is an enticing red, firm, sweet and notably free from hard centers and stringiness. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

***Kleckley's Sweet. (70 days)** The skin is a rich, dark green, the flesh bright scarlet, ripening close to the rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

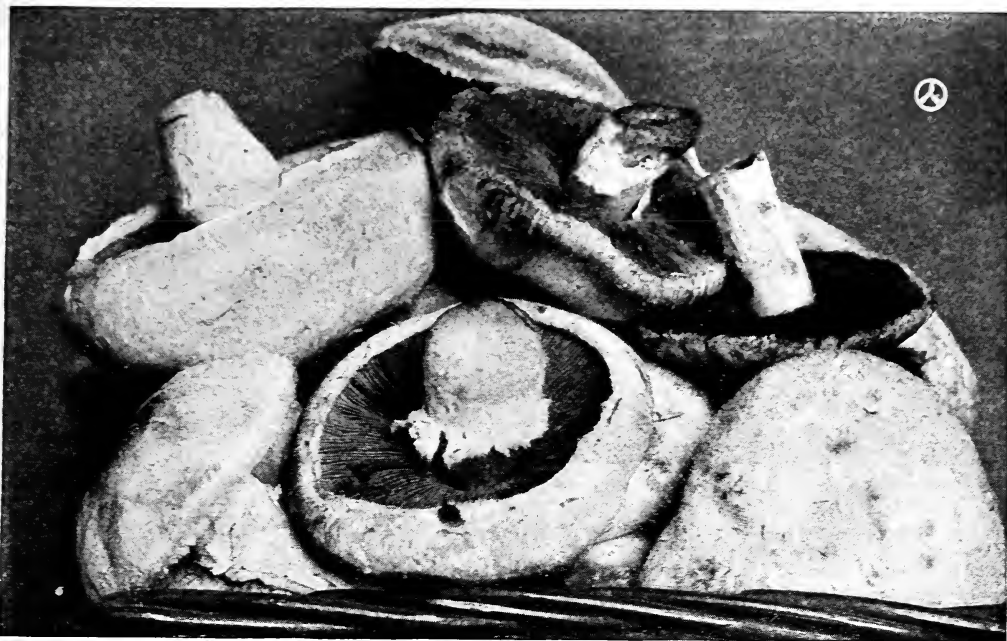
Clondike. (80 days) A wonderful home garden and market type, particularly in the southwest. Flesh good red, rind dark green, melons long averaging 20 lbs. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

New Winter Watermelon. A home-grown melon for your Thanksgiving dinner! Genuine mid-season form and luscious flavor carried beyond the melancholy days, when frost has bit the pumpkin and corn is in the shock. This is not a "Citron," nor a freak but a very prolific long-keeping true watermelon type of medium size, round shape, yellowish rind; with flesh bright red, crystalline, sweet as honey. Take fruits from field before frost, and store in cool cellar. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Sweet Heart. (90 days) Fruit large, oval, mottled light and dark green. Flesh bright red, solid, tender and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

The Watson. (90 days) One of the very best melons introduced to date. Perfect in shape, rind is dark, glossy green, very tough and thin, the flesh dark red, very crisp, no strings and most delicious. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.





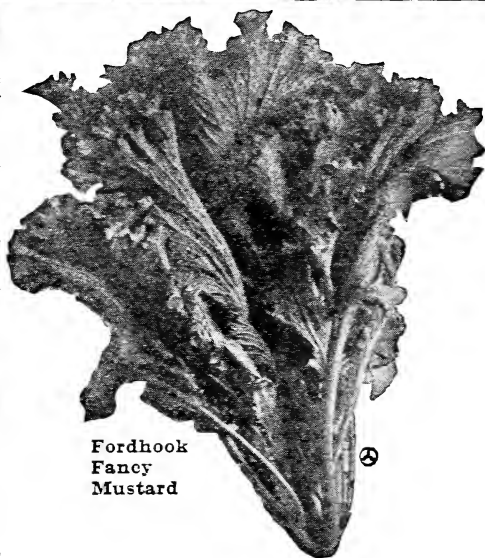
MUSHROOM SPAWN

Mushrooms are considered a great delicacy by everyone and are always in much demand at fancy prices. Many are devoting their spare time to mushroom culture and are getting big returns for their labor. Nearly everyone has some unused place that might be devoted to mushroom growing. Contrary to general belief, it is not necessary to have specially prepared equipment for this purpose, but advantage may be taken of locations already existent. They can be grown in dark rooms, caves, cellars or under greenhouse benches, where the temperature can be maintained at from 50 to 60 degrees. They may to some extent even, be grown out of doors, in the lawn or orchard. Thus, adding at very little expense, a valuable home crop.

We furnish complete cultural directions with each order. One brick is required for ten square feet.

Lambert's Pure Culture Spawn. A new departure in cultivation. This method insures the reproduction of

a certain type, free from all inferior sorts, that will largely increase the yield and produce the very best mushrooms. 50 cts. per brick, 2 for 90 cts. By express (not prepaid), 5 bricks for \$1.50, 10 bricks for \$2.50.



**Fordhook
Fancy
Mustard**

FORDHOOK FANCY MUSTARD (50 days)

For early salads sow in a medium hot bed in March, and for general crop at intervals through the spring, in rows six to eight inches apart, and rather thickly in the rows. Cut it when four inches high.

Splendid flavor, can be cooked any time of the year just like spinach and by many is considered far superior. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

OKRA

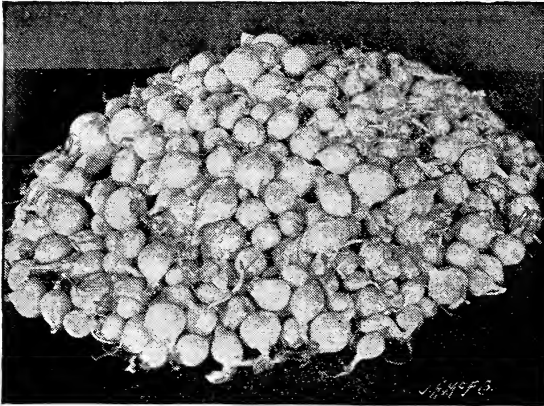
CULTURE. Seed should be soaked before planting to insure quick and even germination; sow in rows 2 to 3 ft. apart and thin to 12 to 18 inches in the row. Gather pods when young. It is delicious in soups.

White Velvet. (50 days) A very popular variety producing long smooth white pods of excellent flavor, very prolific. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Perkins Mammoth Pod. (60 days) A new variety having enormous ridged light green pods. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.



ONION SETS



CULTURE. Onion sets should be planted out as early as the ground is dry enough to work, in rows one foot apart with sets 2 to 3 inches apart. On this basis, one pound will occupy about 100 linear feet; or *plant 300 to 500 pounds to the acre*. When raised from sets, the onions can be used in the green state in June, or they will be ripened off by July. Price subject to market changes. Write for quotations on large quantities.

Yellow. Lb. 35 cts., 5 lbs. or over by express not prepaid at 20 cts. per lb.

White. Lb. 35 cts., 5 lbs. or over by express not prepaid at 22 cts. per lb.

ONION SEED

We regret to advise that the Onion Seed crop was extremely short, creating limited supply and high prices this spring.

CULTURE. A strong, deep, rich and loamy soil is most suitable, or even a black sandy loam. Muck beds well drained to the depth of two feet give large yields. The ground should be heavily dressed with well rotted manure, and plowed a moderate depth, taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order harrow it thoroughly and make as fine and level as possible; sow thinly in drills one-fourth inch deep and 14 inches apart. Keep the surface of the ground open and free from weeds but do not ridge up to the growing bulbs. *One ounce will sow 100 feet of drill; four to five pounds per acre for large onions, 50 to 60 pounds for sets.*

Ohio Yellow Globe. (120 days) One of the finest yellow com-

mercial onions grown; of good size, true globe shape, absolutely free from any neck, a solid bulb and one of the best keepers. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.

Large Red Wethersfield. (100 days) A standard variety in the East, and the earliest maturing, productive red. Makes a large sized flat onion, deep purplish red in color. The flesh is a purplish white, moderately fine grained and strongly flavored. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Mammoth Silver King. (80 days) A large, flat but thick, sweet, silvery white Italian variety, maturing very early. On account of its extreme mildness it is one of the best for salads and eating raw. To produce the largest onions transplant when the young seedlings are 3 or 4 inches high. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Prize Taker. (100 days) A very large onion, hardy, productive and a fair keeper. Outside skin is rich yellow, flesh white, sweet and tender. They bottom well, are free from stiffnecks. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$7.00.

Southport Red Globe. (110 days) An attractive globe shaped variety; matures quite early, grows large and is very productive; skin deep red; flesh fine grained. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00

Southport Yellow Globe. (110 days) A bright yellow globe, mild flavored and highly esteemed. Plants have the typical slender neck of the rigidly selected Southport strain, which ensures early and dependable maturity, with remarkable keeping quality. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$7.00.

Southport White Globe. (120 days)

Commands the highest market price; good shape, clear, white skin. To retain the white color they should be cured in the shade. Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.60, lb. \$10.00.

White Silverskin. (95 days) This is a small silvery white onion. Just the right size for pickling whole for which it is used almost entirely. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$5.00.

Because seed is scarce and costly, do not be discouraged; Onions will be bought—at any price.



Moss Curled Parsley

PARSLEY

One ounce to 150 feet of drill.

Sow in drills one foot apart, in rich, mellow soil; soak the seed 12 hours before sowing, which should be done in early spring, as they are very slow to germinate. When one or two inches high thin out the plants to six inches apart in the rows. Used as a garnish for table, also in soups. Late in the fall, a few plants may be dug up and potted; set in a sunny kitchen window, they will provide fresh leaves for all winter's use.

Champion Moss Curled. (65 days) A compact growing finely cut and beautifully curled variety, the favorite garnish. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Hamburg. (100 days) (Turnip rooted.) The root is the edible portion and is extensively used for flavoring soups, etc. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.



Hollow Crown Parsnips

PARSNIP

Parsnips sliced and fried are a nutritious and always acceptable side dish at many a winter dinner; as frequent in use as the dependable old Hubbard Squash.

CULTURE. *One ounce will sow 200 feet of drill; five pounds for one acre.* Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots they are improved by frost, and it is usual to take up in fall only a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. If cellar-stored, pack in boxes filled with slightly moist soil.

Hollow Crown or Long Smooth. (85 days) Roots oblong, ending somewhat abruptly with a tap root; best variety for general use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

PEPPERS

CULTURE. Sow in a hot bed in March and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows 18 inches apart. They may also be sown in the open ground when the danger of frost is past and the soils warm and the weather settled. Thorough and frequent cultivation should be kept up until frost; by this means you can have a continuous crop. *1 oz. will produce about 1500 plants; 3 oz. supplies an acre.*

PRICE. Unless noted, pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Chinese Giant. (130 days) Largest of the peppers; chunky, very thick and meaty, four to five inches across at the base and equally as long, divided into four sections. Fine for stuffing and for salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Early Neapolitan. (120 days) The earliest large pepper, the vigorous plants heavily laden with long handsome fruits. The skin and flesh are bright red; thick-meated, sweet and mild, valuable for market gardeners and pickling establishments.

Ohio Crimson. (120 days) A vigorous, upright plant, most productive pepper on the market; the large fruits are very mild, ripen earliest of the very large fruited sorts, and average heavier as the flesh is unusually thick. Matures a deep crimson color. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Pimiento. (130 days) Somewhat different in character from other peppers, and useful in a great many ways. It is thick fleshed, mild and sweet; smooth and glossily green at first, but maturing to bright red.

Red Cayenne. (125 days) A long slim pod, rather pointed and when ripe of a bright red color, extremely strong and pungent. Used for pickling and pepper-sauce.

Royal King. (125 days) We believe it the best sweet pepper produced in many years; the plants unusually productive, returning an enormous yield to the acre. Exceptionally large fruited, thick and meaty, its

PEANUTS

Peanuts are an American institution, their delectable aroma and consumption an inevitable feature at all American outdoor sports. It may be a matter of surprise to most northern gardeners that it is not only practical but profitable to raise your own, as well as help supply your local market. The prolific tops are also valuable as forage; the nuts for fattening hogs.

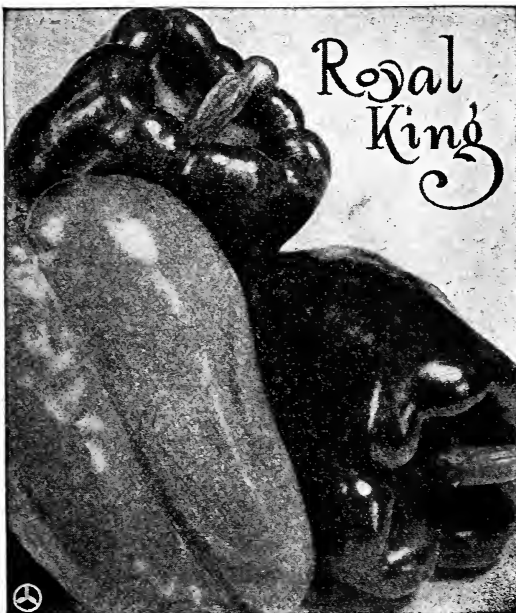
CULTURE. Peanuts require light rich soil well limed. Plant in the spring as soon as the ground has become warm, in rows 30 to 36 inches apart, placing the seed 6 to 10 inches apart in the row. It is not necessary to remove the hull when planting. Keep well hoed. When matured pull and hang up to dry.

Valencia. A very desirable and productive Spanish bush type. Mild, sweet flavored, bearing three or four peas in each hull. Pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

walls more than twice as thick as those of other sorts; very mild—not the least pungent—perfectly sweet. The type is thoroughly fixed, producing uniform fruits both in shape and color.

Ruby King. (130 days) A large and handsome variety. When ripe they are of a beautiful ruby red color, and are always remarkably mild and pleasant to the taste.

Sweet Mountain or Spanish Mammoth. (120 days) It is very large, smooth and handsome; when mature, a rich red. Flesh thick, sweet, and mild flavored.





Extra Early Alaska

PEAS

CULTURE. Peas mature earliest in a light, rich soil; for general crop a moderately heavy soil is best. Commence sowing early varieties as soon as ground can be worked, continue for a succession every two weeks until June. Sow the early, second early and late varieties at the same time for a succession. *One pound for 100 feet of drill; 110-175 pounds for an acre.* The wrinkled varieties are more susceptible to cold, wet weather than the small round, hard sorts, hence should not be planted very early except in warm dry locations.

Brush can be used to advantage on all varieties, but the various dwarf growing sorts take care of themselves very well without. If brush is not available, chicken wire is the best substitute for use with the taller growing kinds.

PRICE. In comparing prices, please bear in mind that our prices are postage paid by us, on half, one and two pounds, and if ordered by express, purchasers may deduct ten cents per pound from lb. rate. 10 lb. rate is by express or freight, purchasers paying charges.

EXTRA EARLY PEAS

These earliest bearing varieties can often be planted early in March; and their early cropping may be taken advantage of to use your lightest strip of soil. The later types need the heavier soil which retains moisture under the hot sun.

Alaska. (45 days) An extra early hardy pea. Pods of perfect shape, well filled with smooth peas of unrivalled quality. Seed blue. Height $2\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. By express, 10 lbs. or more at 22 cts. per lb.

American Wonder. (55 days) An early wrinkled pea, growing from 9 to 12 inches high, and producing well filled pods of the finest flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Blue Bantam. (55 days) The dwarf, vigorous vines average fifteen inches in height and carry enormous crops of large deep bluish green pods. These measure four to four and one-half inches long and are tightly packed with eight to ten extra large luscious peas. Considered one of the best flavored. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more, 28 cts. per lb.

Everbearing. (65 days) Grows about 20 inches high; pods of good length; peas very large, wrinkled and in quality unsurpassed. For continuance and profusion of bearing this variety is unexcelled. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or over by express at 22 cts. per lb.

First and Best. (45 days) Pods well filled with round, smooth peas of excellent flavor. Extremely early, productive and hardy. Height $2\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. By express, 10 lbs. or more at 22 cts. per lb.

Gradus. (55 days) One of the earliest wrinkled peas, very hardy, and can be planted extremely early. The vine grows about $2\frac{1}{2}$ feet high. Pods large and well filled. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Hundredfold. (50 days) Bountiful crops of broad, four-inch pods which hold usually eight large, dark green peas of wonderfully rich flavor. The vines are sturdy and heat-resisting, averaging 16 inches high. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts. per lb.

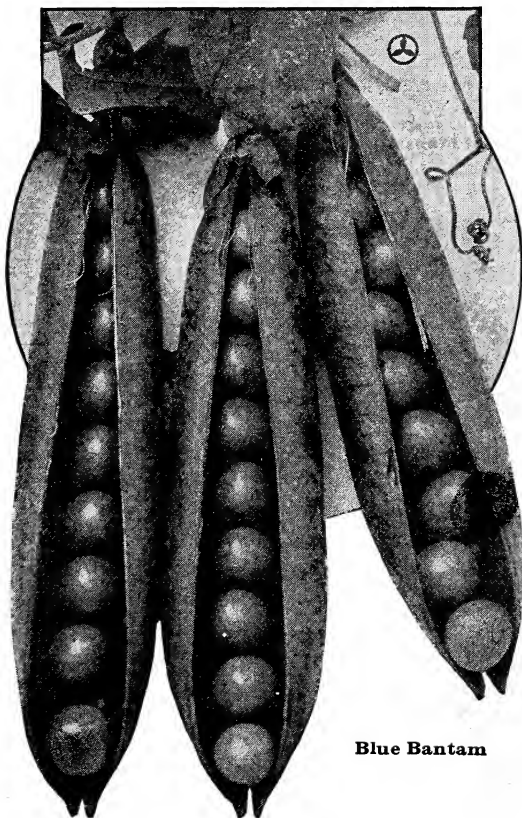
The Improved Soil Inoculator, Nobbe-Hiltner Process

NITRAGIN

TRADE MARK REG. D. DES. 6. 1898 NO. 32 217

Restores and Maintains Soil Fertility

See Page 30



Blue Bantam



**Dwarf
Champion**

EXTRA EARLY PEAS—Continued

Laxtonian. (50 days) Dwarf and bushy—about 14 inches—very productive of 4 inch blunt pods containing 8 to 10 peas of unsurpassed flavor and quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts.

Little Marvel. (53 days) Popular with market gardeners because of its extreme earliness and productiveness. The large dark green pods are usually borne in pairs. Very dwarf, vines growing only 15 to 18 inches high. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express 10 lbs. or more at 25 cts.

Nott's Excelsior. (60 days) This excellent dwarf wrinkled extra early pea is robust and vigorous and produces in profusion handsome pods, closely packed with large peas of fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Premium Gem. (50 days) Grows about 15 inches high and is among the earliest dwarf, abundant green wrinkled sorts. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Thomas Laxton. (50 days) One of the largest podded of the dwarf peas. Matures with the earliest and is of a delicious flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 25 cts. per lb.

SECOND CROP or MEDIUM EARLY PEAS

Dwarf Telephone or Daisy. (65 days) A medium late pea of dwarf, stocky habit, healthy, vigorous growth, and productive, bearing large, handsome pods and peas of highest quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Horsford's Market Garden. (65 days) A grand wrinkled sort and a prolific bearer. Pods of medium size; peas of a delicious sweet flavor. Two feet high. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or over by express at 20 cts. per lb.

Rogers Dwarf Champion. (65 days) This new pea is one of the finest sorts we have ever tried. Vines make a healthy dark green growth and are well loaded with pods. The peas which are borne crowded in medium sized pods are of the highest quality, possessing the rich flavor of the Champion of England. The growth is very dwarf requiring no support. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

LATE or MAIN PEA CROP

These late kinds may as well be planted at same time as the earlier ones. The tall varieties do very well planted in double rows with the line of brush set in at same time, allowing three feet of space between the lines for thorough cultivation. Do not stint the seed, but scatter in the broad furrows which should be at least four inches deep.

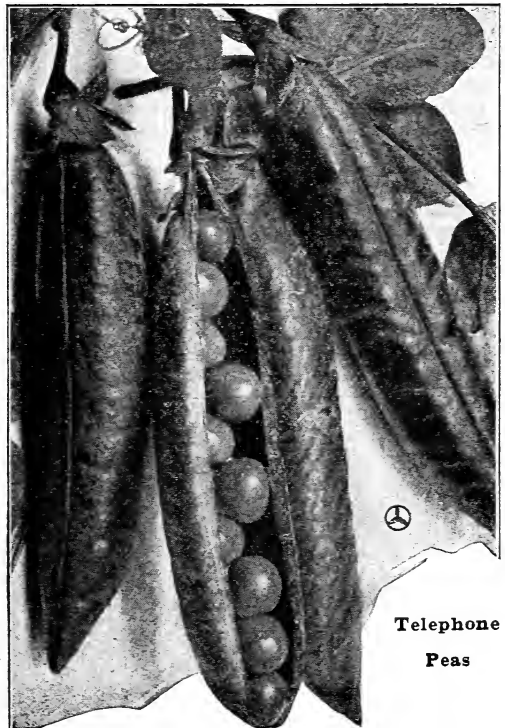
Champion of England. (75 days) One of the richest and best flavored peas grown; height 3 to 4 feet, seed wrinkled, whitish green and much shriveled. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. By express, 10 lbs. or more at 23 cts. per lb.

Improved Stratagem. (70 days) One of the finest dwarf wrinkled peas. Their quality is unsurpassed, vines grow to a height of 18 or 20 inches, do not require sticking and are loaded with pods that are crowded with immense dark green peas. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Telephone. (70 days) One of the finest tall wrinkled marrows yet introduced. Vine strong, producing abundantly. The pods are of large size and filled with large delicious peas. Height three to four feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

FIELD PEAS

Canada Field. (White Seeded.) Valuable for soiling purposes. Sow at the rate of two to three bushels per acre; also sow with oats for green feed; are now quite extensively used for this purpose. 10 lbs. or over by express at 10 cts. per lb. Write for prices on larger quantities.



**Telephone
Peas**

PUMPKINS

CULTURE. Plant in good soil when the ground has become warm, in hills eight to ten feet apart each way, or, as the general practice is with corn, in about every fourth hill. *Three pounds per acre alone or about one pound with corn.* Use "Slug Shot" for bugs.

Golden Oblong. An attractively odd shape more convenient to handle, in field or kitchen.

The oblong fruit run 15 to 20 inches in length with a diameter of 8 to 10 inches, both ends blunt and blocky. The skin is thin, but of adequate toughness for safe storing, a golden yellow color as rich as the fine-grained fiber-free flesh. Cooking quality equal to any; productivity and hardness superior. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Green Striped Cushaw. (75 days) A long crooked neck, terminating in a round or oblong end enclosing a very small seed cavity; flesh surrounding seed cavity very thick. The neck is absolutely solid, rivaling the finest sweet potatoes for baking; or sliced and fried like Egg plant, when young; or as a pie sort, it has no equal. Splendid keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

King of Mammoths. (Jumbo) (90 days) Largest of all the pumpkins, often reaching 24 inches in diameter, weighing 100 or more pounds. Make excellent stock feed, yet the quality is excellent for pies. When ripe, the skin is a rich orange color, flesh thick and yellow, sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Large Cheese. (110 days) Named for its resemblance to a cheese box; very flat, slightly ribbed, cream colored; averaging 12 x 7 inches, and 9 lbs. weight. Extremely prolific and healthy, in wide use for canning purposes, keeping well. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Large Yellow Field. (90 days) Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. By express, 5 lbs. or more at 75 cts.

Sugar. (65 days) A handsome and prolific variety of small size; the skin a deep orange yellow. It is fine grained in flesh, sweet in taste and an excellent keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

MEDICINAL and POT HERBS

Herbs in general delight in rich mellow soil. For early use sow in hot-beds in March, transplanting to the open ground when weather is suitable. May also be sown in the open ground in May in rows 12 inches apart. Cover lightly and when large enough thin out to eight to ten inches apart in the row. They should be cut on a dry day just before they come into full bloom and hung where they may dry quickly.

Balm. (*Melissa officinalis*.) The leaves which have a fragrant odor are used in making balm wine, balm tea for fevers and other culinary uses. Pkt. 10 cts.

Caraway. (*Carum carui*.) Biennial. Cultivated mainly for the seeds which are used in cakes, confectionery and medicine. The leaves are also used in flavoring soups. Pkt. 10 cts., oz. 20 cts.

Dill. (*Anethum graveolus*.) An annual cultivated for its seeds which have an aromatic odor and warm pungent taste. They are used as a condiment, also in making dill pickles. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.

Horehound. (*Marrabium vulgare*.) A perennial herb with a strong aromatic smell and a bitter taste. It is a tonic and the leaves and tops enter largely into the composition of cough syrups and lozenges. Pkt. 10 cts.

Lavender. (*Lavendula vera*.) A popular aromatic herb. The flower spikes are dried for their delightful, lasting fragrance. Sow seed thickly and early in the spring as it is slow to germinate. Pkt. 10 cts.

Sage. (*Salvia officinalis*.) The leaves and tender tops are used in seasoning dressing and sauces. A medicinal tea is also made from the dried leaves. Perennial. Pkt. 10 cts., oz. 40 cts. (Plants of "Holt's Mammoth Sage" are offered under Hardy Perennials.)

Summer Savory. (*Satureia hortensis*.) Used principally for seasoning. Annual. Pkt. 10 cts., oz. 35 cts.

Sweet Marjoram. (*Origanum marjorana*.) Used as a relish in soups, broths and dressings. Perennial. Pkt. 10 cts., oz. 35 cts.

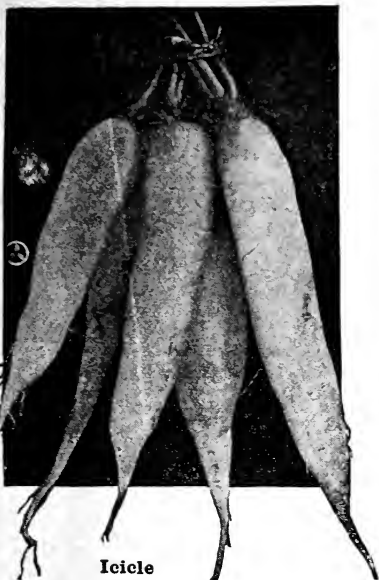


RADISH

CULTURE. One ounce will sow 100 feet of drill, ten pounds required for one acre. For the first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season for a succession. A warm, sandy loam, made rich and light by some good strong manure, will be most likely to afford them brittle and free from worms. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

Cincinnati Market. (28 days) A fine extra early variety with a long, smooth root and small top. The color is a bright transparent red; the flesh tender and delicious, even when full grown. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Crimson Giant. (35 days) Suitable for forcing or early planting out of doors. Larger than the other round red radishes, and solid longer. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

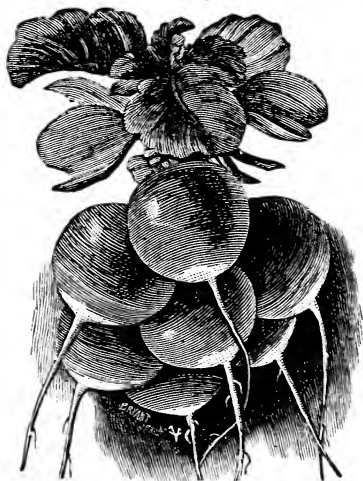


Icicle

Early Scarlet Olive. (20 days) An excellent deep red, olive shaped forcing sort, typical in its very small tops, and early maturing roots. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Round Scarlet. (25 days) A small round, red turnip-shaped radish, with a small top, and of very quick growth; early; rich color, crisp and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Long Scarlet. (28 days) Grows 6 or 7 inches long, half out of the ground; is brittle and crisp; color bright scarlet, small top. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



Round White Tip Scarlet

Icicle. (25 days) Attains its best quality at about four inches long and remains crisp and sprightly an extremely long time. It is of most excellent flavor and transparent whiteness. Equally desirable for home use and market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Round White Tip Scarlet. (21 days) A handsome early variety of medium size and excellent flavor. The best of the round varieties. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

White Strasburg. (48 days) Pure white, firm and brittle, and of fine quality. Withstands hot weather best of any sort. Slow to become pithy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

WINTER RADISHES

Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Long Black Spanish. (72 days) Firm, oblong, black, of large size.

Rose China Winter. (60 days) One of the best fall and winter varieties, bright rose color, flesh white and of superior quality.

California Mammoth White. (65 days) Pure white. The flesh is tender and crisp and keeps well through the winter.

RHUBARB or PIE PLANT SEED

Sow in spring in seed bed, in drills one foot apart. Cultivate well during the season, and in the autumn or following spring transplant into deep rich soil, from three to four feet apart. The stalks should not be cut before the third year. For immediate use, order the **Roots** (described in back part of catalog).

Linnaeus. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



Cincinnati Market

Early Scarlet Globe. (20 days) Fine for forcing and market gardening. Large roundish oval; brilliant red; flesh white, solid, crisp and mild. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

French Breakfast. (25 days) a splendid half-long variety of medium size, crisp and tender, scarlet with white tip. This has long been a favorite kind in very general use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



French Breakfast



Salsify

SALSIFY "VEGETABLE OYSTER"

CULTURE. Sow early in spring, in drills one foot apart and one inch deep, thinning the young plants to four inches. The roots will be ready for use in October, when a supply should be taken up and stored in moist sand in a cool room. Those remaining will suffer no injury by being left in the ground until spring. *One ounce to 100 feet. Ten to twelve pounds are required for one acre.*

Mammoth Sandwich Island. (95 days)

White, tender, and of excellent quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SPINACH

CULTURE. Select very rich, well drained soil; sow in drills one foot apart and one inch deep; or broadcast at rate of thirty pounds per acre. Make the first sowing early in spring and continue at intervals of two or three weeks, until the middle of June. Sow in August and September for early spring use, protecting with a winter covering of straw. *One oz. will sow 100 feet of drill; or ten to twelve pounds to the acre.*

Round Thick Leaved. (45 days) One of the most popular with our market gardeners; leaves large, thick and fleshy; excellent for fall sowing, being very hardy. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Bloomsdale Savoy. (45 days) In some sections this is the best known variety. The leaves are crumpled or savoyed, hardy, standing out all winter south of the Ohio river. A very desirable market sort. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

King of Denmark. (45 days) Leaves very thick, dark green, and curled or blistered, in low compact tufts, ready to use as soon as the earliest, yet remaining longer in good condition before running to seed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

New Zealand Spinach. (55 days) (*Tetragonia Expansa*) Strong growing summer variety. The young branches and leaves can be gathered at any time. Sow thinly in drills 15 inches apart. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



Round Thick Leaf Spinach

SQUASH

Seed should not be sown in the spring until danger from frost is past and the ground warm and thoroughly settled. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants to the hill. A little tobacco dust thrown around the hills discourages borers, Bordeaux Arsenate of Lead remedies blight and striped beetles; but the big black squash bug had better be hand-picked. If the winter varieties are not planted until the latter part of June, they are ordinarily able to escape the ravages of the borer.

FOR SUMMER SQUASH, sow 1 oz. to 25 hills,—4 feet apart each way; WINTER SQUASH, 1 oz. to 10 hills—8 to 10 feet apart each way,—or 2 lbs. per acre.

SUMMER VARIETIES

Bush Fordhook. (55 days) In this new, true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity; unsurpassed for baking, frying, or making pies. Any fruits not needed for summer use can be left to ripen on the plants and gathered for winter use.

Giant Summer Crookneck. (65 days) Bright yellow, a profitable sort for market, keeps bearing all summer. Plant farther apart than other varieties.

Mammoth Yellow Bush. (55 days) A much enlarged strain of the early yellow bush scallop, quite prolific; average size 14 x 4 inches, and weight 5 lbs.

Mammoth White Bush. (50 days) Fruits round white, deeply scalloped, lobes being in pairs; very tender and delicious.

PRICE of above Summer Squash.—Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

FALL AND WINTER VARIETIES

Delicious. (75 days) It is of medium size, dark green in color and with very thick flesh which cooks dry, and is of superior flavor. Although a good fall variety it is in its best condition in the winter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Golden Hubbard. (110 days) The color is a deep orange, tipped green at each end. The flesh is golden yellow, of excellent flavor and cooks dry; a good keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Hubbard. (110 days) Skin deep olive green, flesh orange yellow. Sweet, rich flavored; keeps well through the winter; boils or bakes dry. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Table Queen. (80 days) 6 to 7 inches long by 4 to 5 inches thick, the shell a smooth dark green with sometimes a blotch of red at the pointed end; the productiveness and eating quality second to none. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

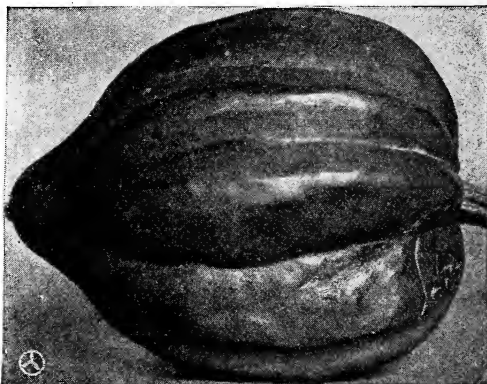
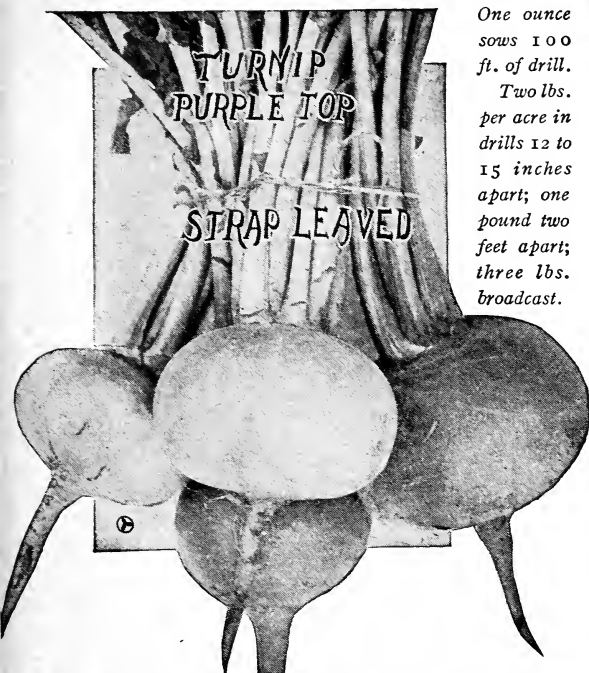


Table Queen

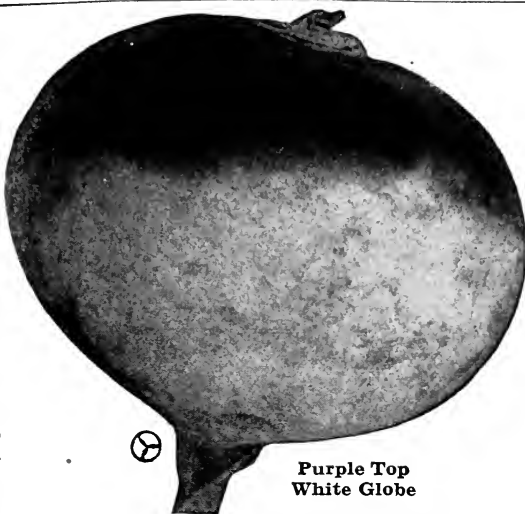
TURNIP

Turnips do best in a highly enriched, sandy, gravelly, or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart; and thin out early to six or eight inches in rows. For a succession, sow at intervals of a fortnight until the last week in May. The early varieties are often broadcasted between corn rows or sown as a catch-crop to succeed the early potatoes. From the last of July to the end of August sowing may be made for the fall and main crops.



One ounce
sows 100
ft. of drill.

Two lbs.
per acre in
drills 12 to
15 inches
apart; one
pound two
feet apart;
three lbs.
broadcast.



Purple Top
White Globe

WHITE FLESHED SORTS

Early White Flat Dutch. (40 days) Extra early, flat, strap leaved, mild, fine quality. Use when small and tender. Also grown for a fall crop. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

White Egg. (50 days) Quick growing pure white; solid, firm, flesh fine grained, cooking up sweet and tender. Egg shaped, skin pure white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Purple Top, Strap Leaved. (55 days) Similar to Early Flat Dutch, but purple on top. Of excellent quality, largely grown for market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Purple Top White Globe. (70 days) The most popular turnip grown either for table or stock. Of globular shape, rapid growth, and an excellent keeper. Flesh pure white, skin white with purple top. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

YELLOW FLESHED SORTS

Orange Jelly or Golden Ball. (70 days) A very distinct, round yellow variety. One of the finest sorts for family use. Flesh pure yellow, fine grained, sweet and tender. Does not attain a large size but is firm, hard and of most excellent flavor. Makes an ideal fall crop to store for winter use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

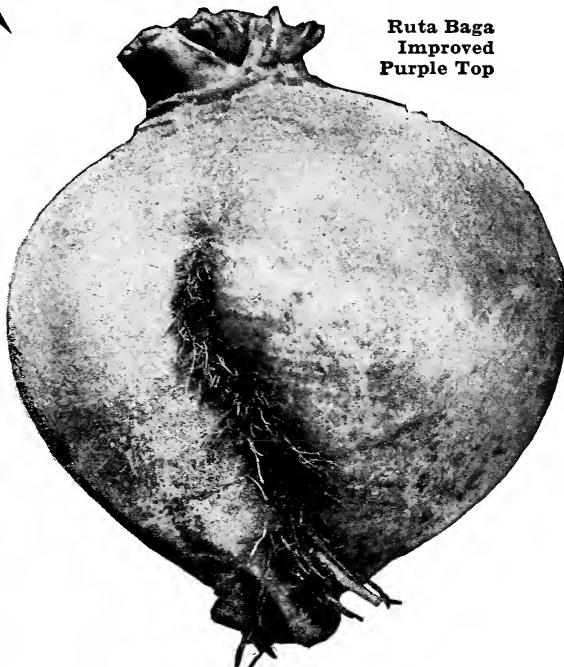
Yellow Globe. (75 days) This is a large sized general crop turnip. Globe shaped, pale yellow with green top. The skin is smooth, flesh firm and sweet. A splendid variety for either table or stock and is an excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

RUTA BAGA or SWEDE

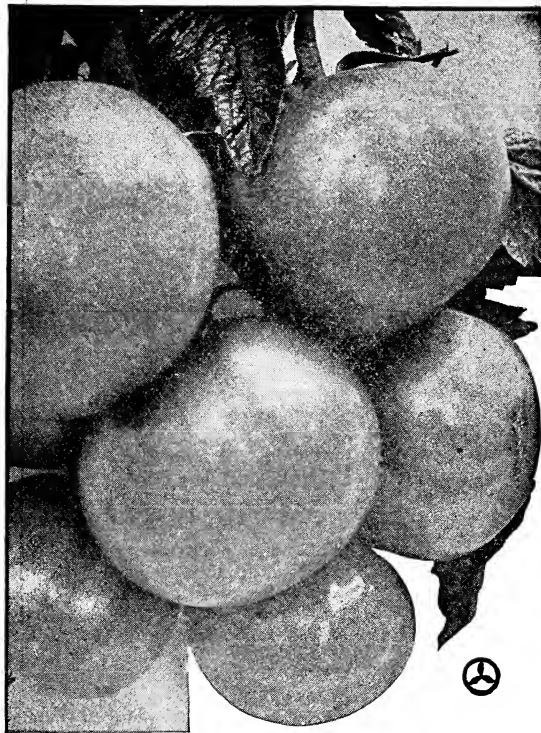
Improved Purple Top Ruta Baga. (95 days)

One of the best of the Swedes; hardy and productive; flesh yellow, sweet and well flavored; shape slightly oblong terminating abruptly, color purple above and yellow under the ground; rich in flavor. A popular market sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Large White Ruta Baga. (90 days) (Sweet Russian) This variety is most excellent either for table or stock. It grows to a large size; flesh white, solid, firm texture, sweet and rich; keeps well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.



Ruta Baga
Improved
Purple Top



John Baer

Dwarf Giant. (110 days) The largest of all the dwarf or tree tomatoes, sometimes called Dwarf Ponderosa, uniform in growth, producing an enormous crop. The fruits are large, smooth, solid, purple-crimson and of the finest quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Dwarf Stone (100 days) Stout, upright, compact growth. Fruit as large as the late Stone, same bright red color, as early as other dwarf varieties, and may be planted closer. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Greater Baltimore. (110 days) A main crop variety; fruit large and brilliant red in color. Ripens evenly to the stem. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

John Baer. (85 days) Very large, free from core and of an attractive bright red color. Very prolific, one plant often having from fifty to seventy-five fruits which are borne in clusters and ripen evenly clear up to the stem; never bursts. Unexcelled for early home or market use. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

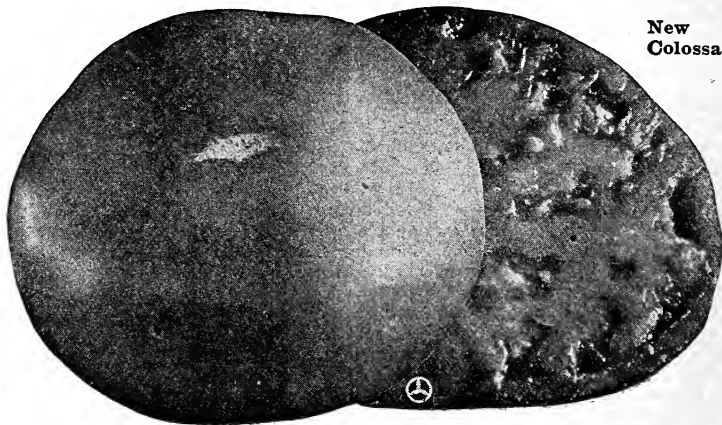
June Pink. (85 days) An early variety, blight resisting, long and heavy yielding, similar in habit to the famous Earliana, except its color is pink. An excellent shipper. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Livingston's Coreless. (110 days) All of the fruits are of marketable size. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded by bright red, heavy, meaty and delicious flesh. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Livingston's Globe. (95 days) Large globe shape, always smooth, firm fleshed with few seeds, and ripens evenly. The color is a fine glossy rose, tinged with purple. One of the best forcing varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

New Colossal. (110 days)

One of the largest, heaviest, and best tomatoes, averaging 2 to 3 pounds. Close celled, firm flesh with remarkably few seeds, and little waste. Flavor sweet, cool and sprightly, notably free from the commonly objectionable acidity. Enticing red, solid, 5 inch slices; satisfactorily all-tomato when cooked; and a profitable can filler when preserved,—in every usage expressing the highest quality of flavor and texture. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.



New Colossal

TOMATO

CULTURE. Sow in hot beds during March, or from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes, setting them four or five inches apart; give them plenty of air and endeavor to secure a steady growth. Set out of doors as soon as danger from severe frosts is over. Seed may be sown in the open ground also at this time, and will make strong hardy plants, that will be excellent for fruiting. The choicest tomatoes are obtained by training the plants to stakes and keeping them pruned. Use stakes two inches square, five or six feet long. The main stem and two branches should be saved, cutting the others off just beyond the first cluster of blossoms. This treatment allows all the fruits to develop to perfection and none are lost from rotting on the ground. *One ounce will produce 3000 plants.*

Acme. (100 days) Of spreading growth; producing abundant medium sized fruits of irregular shape, in clusters of three to five. The skin is an even, purple-red color, the flesh dark red, fine in texture, slightly acid. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Bonny Best. (88 days) Large smooth fruit of a rich scarlet red, the color demanded by many markets. Fruit thick, with a small core, excellent for any purpose. Slices exceptionally well. Nearly globe shaped, slightly flattened at stem. Borne in clusters of 5 or 6 fruits, all ripening together. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



New Tomato "Wayahead"

TOMATOES—Continued



Wayahead. (85 days) A new variety, and one of the best. Extra early, resembling Earliana but preceding it, with handsome smooth, solid, red fruits. A heavy cropper, with a vigor which keeps up the size even on the latest set fruits. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Yellow Ponderosa. (110 days) Identical with Ponderosa in quality and size but produces golden yellow fruits, exceptionally free from acid, making it a desirable variety for home use and one of the most attractive to use in mixed color salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

SMALL FRUITED SORTS

Red Pear. (95 days) Beautiful red pear shaped fruits in large clusters. Pkt. 10 cts., oz. 35 cts.

Yellow Pear. (95 days) Fruits a clear, handsome yellow. Very sweet and free from acid. Pkt. 10 cts., oz. 35 cts.

TOBACCO

Connecticut Seed Leaf. A popular cigar variety, also largely used for pipe smoking by those who prefer a home cured natural leaf. Makes a large broad leaf and is the only variety extensively grown in northern states. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Ponderosa. (110 days) In addition to its ponderous size, it is very solid, with few seeds; a beautiful crimson throughout. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Red Rock. (115 days) Very prolific, borne on strong disease resisting plants, and of excellent quality, bright red, very thick fleshed and meaty. One of the heaviest yielders. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Spark's Earliana. (85 days) Remarkable for its earliness, large size, uniform shape, solid fruit, attractive red color, and productiveness. The leading high quality early market variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Stone. (110 days) A fine main crop tomato for market or canning. The beautiful red fruit is perfectly smooth and very large, ripening evenly, and is free from rot, even in wet seasons. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



Spark's Earliana



'Velvet Sod' Lawn Grass

LAWN GRASS SEED

HOW TO MAKE AND KEEP A BEAUTIFUL LAWN

The successful keeping as well as making of a beautiful lawn lies most largely in the thorough preparation before a seed is sown. If there is grading to be done the top soil to the depth of six to eight inches should first be removed to one side; finish with the top soil after the grade is complete.

This should be thoroughly harrowed and raked to reduce to as fine a condition as possible, as well as to level it, as nothing detracts so much from the appearance of a lawn as an uneven surface. Sow the seed as

early in the spring as convenient, the earlier the better if the soil is in good condition, scattering it in both directions at right angles to each other, which will give a more even distribution. After the seed has been sown it should be raked lightly, then thoroughly rolled.

Old Lawns will be greatly benefited if, as early in the spring as the weather will permit, they are carefully raked, so as to remove the dead grass and leaves that may be on them, then sprinkle it with our Velvet Sod Mixture, which will renew the thin places and spots that have been killed by the winter or other causes, then give it a thorough firming and smoothing with a heavy roller.

Fertilizer. We would recommend Wizard Brand Sheep Manure (see Page 31) as the simplest and most effective fertilizer, broadcasted at rate of 10 lbs. per 100 square feet, or 6 lbs. for reviving old lawns. Pure Bone Meal is also good, applied at rate of 600 to 1000 pounds to the acre.

No one kind of grass will make a lawn that will keep beautifully green all through the season, but a mixture of several is essential, as some varieties are more luxuriant in the spring, others in the summer, and again others in the autumn, and a proper combination of these various sorts is required to create and maintain a perfect carpet like lawn. Our Velvet Sod Mixture is a splendid exemplification of scientific knowledge and practical treatment, giving quick, sure and satisfying results unsurpassed by any general lawn mixture on the market.

● STORRS & HARRISON'S LAWN MIXTURES ●

'Velvet Sod.' A mixture of fine dwarf, close growing grasses, that will produce a neat velvety lawn and permanent sod in a short time. Weight, about 25 pounds to the bushel. One pound will seed about 300 square feet; 80 to 100 pounds are required for an acre. Per lb. 70 cts., 2 lbs. \$1.30, 3 lbs. \$1.90, 5 lbs. \$3.00,—postage paid. By express (not prepaid), 10 lbs. and over at 45 cts. per lb.

'Shady Lawn.' A modification of our famous 'Velvet Sod' mixture, designed for use in shady places. Per lb. 70 cts., 2 lbs. \$1.30, 3 lbs. \$1.90, 5 lbs. \$3.00,—postage paid. By express (not prepaid), 10 lbs. and over at 45 cts. per lb.

☀ STORRS & HARRISON'S RE-CLEANED GRASS SEEDS ☀

We handle only the finest and cleanest grades procurable. So much depends upon grades that prices vary greatly in all grass and clover seeds. We might say many things about the seeds we sell, but suffice to say that we **do not** handle in train loads, but what we do sell is the very best that money will buy and this statement is backed by a record of sixty years of fair dealing. Our grass and clover seeds will more than pass any **State requirements** as to purity and will please the most critical buyers.

Prices quoted by lb. and 3 lbs. are postage paid by us; if ordered by express, deduct 10 cts. per lb. Larger quantities are by express or freight, purchaser paying charges.

We Do Not Guarantee Prices on Grass and Clover Seeds. The prices herein are based on values at time of going to press with this catalogue. They are subject to market fluctuations.

Kentucky Blue Grass. **Fancy Clean.** Also known as June Grass, a valuable variety for lawns when mixed with other grasses, and especially valuable as a pasture grass. About three bushels to the acre for pasture. (14 lbs. to the bu.) Lb. 70 cts. 10 lbs. and over by express or freight, at 55 cts.

Red Top Grass. (Unhulled) Grows well in almost any soil and is valuable either for meadows, pasture or lawns, especially so for moist land. About two bushels sow an acre, 14 pounds to the bushel. Lb. 50 cts. 10 lbs. and over by express or freight, at 35 cts.

Red Top Fancy. Re-cleaned seed, 32 lbs. per bushel. Lb. 65 cts. 10 lbs. and over by express at 50 cts.

English or Perennial Rye Grass. A nutritious, quick-growing grass for meadows and pastures. It does well on sloping banks, as its roots are fibrous and mat-like. 24 pounds to the bushel. Lb. 35 cts., 3 lbs. \$1.00. 10 lbs. and over by express or freight at 20 cts.

Orchard Grass. A valuable grass for pastures, for sowing in orchards or shady places. It grows rapidly and does not suffer from close feeding. When sown alone three bushels should be sown to the acre; 14 pounds to the bushel. Lb. 50 cts., 3 lbs. \$1.35. 10 lbs. and over by express or freight at 30 cts.

Meadow Fescue or English Blue Grass. Especially suited for permanent pasture and is also fine for hay. Grows two to three feet high but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties, and will stand freezing very effectually. About 24 pounds of seed are sown to the acre. Lb. 45 cts., 10 lbs. or over by express or freight at 30 cts.

Hard Fescue. A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu. per acre (12 lbs. per bu.). Lb. 50 cts. By express, 10 lbs. and over at 40 cts. per lb.

Red or Creeping Fescue. Very valuable for sowing on sandy soil and in shaded places, also on putting greens. Sow 100 to 125 lbs. per green, 100 feet square (14 lbs. per bu.). Lb. 65 cts. By Express, 10 lbs. and over at 50 cts. per lb.

Sheep's Fescue (Festuca ovina). Grows naturally on light, dry, sandy soils and mountain pastures; considered valuable mixed with other grasses for permanent early spring pasture. Sow 15 lbs. per acre. Bushel about 12 lbs. Lb. 50 cts. 10 lbs. or over by express at 40 cts.

Crested Dog's Tail (Cynosurus cristatus). May be sown on lawns; forms a close turf, remaining green a long time; valuable for sheep pasture; succeeds on dry, hard and gravelly soil. Height 1 to 1½ feet. Sow 25 pounds per acre. 21 pounds to the bushel. Lb. 65 cts. 10 lbs. or over by express at 50 cts.

Timothy. (Phleum pratense.) Of the easiest cultivation and with us is usually sown in connection with winter grain in the fall, to which a seeding of clover is added early in the spring. 45 pounds to the bushel; from ½ to 1 bushel to the acre. Lb. 25 cts., postpaid. Write for price per bushel.

☀ STORRS & HARRISON'S SELECTED CLOVER SEEDS ☀

Alfalfa. (Lucerne) For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots deeply into the earth. On land that is not naturally rich it needs fertilizing to help it get started. If there is no lime in the soil a top dressing of it should be given when the land is plowed. For inoculation, see "Nitragin" offer, Page 30. It should be mowed often enough during first season to keep the weeds down, being careful to cut above the crowns of the Alfalfa plants. Not adapted to low wet land. Lb. 50 cts. Write for samples and prices on larger quantities. *Sow early in spring or fall at rate of 20 pounds per acre.*

Alsike. (Swedish) An excellent variety, of luxuriant growth and very sweet; valuable for pasturage or ensilage especially on moist land; makes good bee forage. *Sow five to six pounds per acre.* Lb. 50 cts. Write for prices on larger quantities.

Scarlet or Crimson Clover. Brilliant scarlet flowered annual; very productive and greedily eaten by cattle, remains green longer than the red variety, and is excellent for bee food. Largely used for green manuring; sown in August it may be plowed under the following June. *Sow fifteen pounds per acre.* Lb. 30 cts. 10 lbs. and over by express at 20 cts.

Sweet Clover. (Bokhara) (Melilotus alba.) This legume is native to all parts of this country and is the most beneficial of all crops for building up worn-out land. Thrives on all soils, but like all clovers requires lime which should be supplied on land where it is lacking. Makes fine pasture for bees and good quality of hay relished by all stock. Does best when seeded alone. Sow in spring or fall. *Twenty to thirty pounds are required per acre.* Lb. 35 cts. 10 lbs. and over by express at 25 cts.

White Dutch Clover. Excellent for lawns in mixtures with grasses. A good pasture clover. *Sow at the rate of six to eight pounds per acre.* ½ lb. 45 cts., lb. 80 cts., 5 lbs. and over by express at 65 cts.

Medium Red Clover. This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It may be sown either in the spring or fall, and if no other grasses are used, at the rate of from 8 to 12 pounds to the acre, according to quality of seed used and condition of the soil. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. Lb. 50 cts. For quantity, write for price.

MISCELLANEOUS FARM SEEDS

Prices per single pound and 3 lbs., where listed, are postage paid by us; in larger quantities, by express or freight, purchaser pays charges. Prices subject to market changes.

Broom Corn. (Imp. Evergreen.) This variety is extensively grown on account of the color and quality of the brush which is long, fine, straight and always green. Grows from eight to ten feet tall. Plant in rows 3½ feet apart and 3 inches apart in the row. Lb. 35 cts. postpaid. By express, 10 lbs. and over at 15 cts. per lb.

Tennessee Millet. No other plant that has yet been introduced for grass or forage has been able to produce anything approaching the enormous yield of Millet when grown under favorable circumstances. The seed we offer is genuine Tennessee grown, of the finest quality. There is a wonderful difference in true Southern grown Millet when compared with the cheap Western grown. True Southern Millet will produce double the amount of hay produced from Western grown seed. Sow for feed one bushel to the acre. Lb. 30 cts., postpaid. By express, 10 lbs. at 12 cts., 50 lbs. and over at 9 cts.

Japanese Millet. This grows six to eight feet high, stands remarkably well, and yields from 10 to 12 tons green fodder per acre. It may be sown from the middle of May to the first of July, broadcast at the rate of fifteen pounds per acre. Lb. 30 cts. postpaid. By express, 10 lbs. at 10 cts., 50 lbs. and over at 9 cts.

Hairy Vetch. (Vicia Vilosa) This legume is rapidly springing into favor in the North as a fall soiling crop. Grows luxuriantly and is one of the greatest nitrogen gatherers. Requires no special soil preparation, neither is it particular as to soil, and is therefore very valuable for bringing up poor land. Makes a valuable and nutritious hay. If used for this purpose it should be cut in the spring when seed pods which resemble small peas are just forming. Its feed value is equal pound for pound with prime wheat bran. In the latitude of northern Ohio, Vetch should be sown by September 15, to get well started that fall. Farther south it may be sown later. Rate of thirty to forty pounds to the acre. Lb. 40 cts., 3 lbs. \$1.25. 10 lbs. and over at 25 cts. per lb. by express.

Rape. (Dwarf Essex) Extensively grown for forage, especially for sheep; makes excellent green feed for poultry. They can be turned into it within six to eight weeks after sowing. Cattle and sheep are apt to bloat if the leaves are wet or they are turned in hungry and allowed to fill themselves. Sow in June or July, in rows two and one-half feet apart at the rate of five pounds seed per acre, or may be sown broadcast at the rate of eight pounds per acre; it may be sown in April with oats, for an early crop after the oats are cut. Lb. 40 cts., 3 lbs. \$1.00. By express, 10 lbs. and over at 15 cts., 50 lbs. and over at 12 cts.

Sudan Grass. This forage crop is of immense value to the south or any section not sufficiently supplied with rainfall. It is a great drought resister and makes an excellent quality of hay. Grows from five to nine feet tall and stools freely when given plenty of room or after cutting. Do not sow until the ground has become thoroughly warm. 16-24 pounds to the acre broadcast, or 4-6 pounds in drills, 18-24 inches apart. Lb. 35 cts., 3 lbs. \$1.00. By express, 10 lbs. or over at 15 cts. per lb.

Sugar Cane. (Early Amber) The standard variety for the North. The beautiful amber colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. Valuable as a forage plant. Makes excellent milk-producing feed either green or dry. Six pounds are required per acre in rows, or 40 to 50 pounds broadcast or drilled. Lb. 30 cts. By express, 25 lbs. and over at 10 cts.

Sunflower. (Mammoth Russian) Of considerable value as a poultry food. Many people insist it clears the air of malaria germs. In small gardens the heavy, erect, growing stalks may be utilized for supporting Kentucky Wonder or other pole beans. Lb. 30 cts. By express 10 lbs. or over at 15 cts. per lb.



Restores and Maintains Soil Fertility

ORIGINAL SOIL INOCULATOR

A boon to farmers growing Alfalfa, Soy Beans, Clovers and other legumes.

It is safe and reliable. Contains more nitrogen gathering germs by millions than any jelly culture; costs much less. Looks like deep, rich soil.

Comes in tin cans; easy to open, and easy to mix with seed. Guaranteed for one year; expiration date stamped on every package. Sold on bushel basis (not acre sizes), which means that NITRAGIN COSTS LESS.

PRICE:— Postpaid
 ¼-bu. size (for 15 lbs. of seed).....45 cts.
 ½-bu. size (for 30 lbs. of seed).....65 cts.
 1-bu. size (for 60 lbs. of seed).....\$1.05
 5-bu. size (for 300 lbs. of seed).....4.85
 COST PER ACRE:—Above prices mean that NITRAGIN will cost you—
 20 cts. per acre if you sow 12 lbs. of seed.
 25 cts. per acre if you sow with 15 lbs. of seed.
 33½ cts. per acre if you sow with 20 lbs. of seed.
 WHEN ORDERING—always mention the crop you want it for.

EVERY GARDEN NEEDS "NITRAGIN"

The 3-in-1 Bacteria Fertilizer for PEAS, SWEET PEAS AND BEANS

Insures a better quality, larger crops and faster growth. NITRAGIN germs feed the plant nitrogen, taking it from the air in the soil. This helps to make the plants strong and vigorous. The germs greatly multiply the nodules (lumps) on the small hairy roots. Each lump is stored up nitrogen plant food. The more lumps the more fertile the soil. You mix Nitratin with the seed and plant in the usual way. NITRAGIN is the original—(consult any library). Endorsed by Agricultural Departments, Experiment Stations and thousands of users.

PRICE OF GARDEN PACKAGE: (Inoculates from 1 oz. up to 8 lbs. of seed), 22 cts. postpaid.

Watch-em-Grow

PLANT FOOD

A wonderfully quick-acting, perfectly compounded Plant Food giving us one of the best balanced fertilizers possible to secure.

Use it on your house plants, as follows: Dissolve a teaspoonful in a cup of hot water, afterwards pouring this into one gallon of cool water. Water your plants with this mixture. For a six inch pot plant, use a pint of mixture once each week until you note improvement; then once in two weeks, and occasionally thereafter.

In repotting plants, use a teaspoonful dry, thoroughly mixed throughout four quarts of potting soil. In the garden, it may be used in the same way as recommended for pot plants.

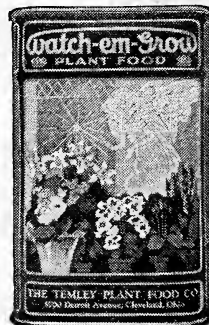
A TRIAL PACKAGE FOR 10 Cts.

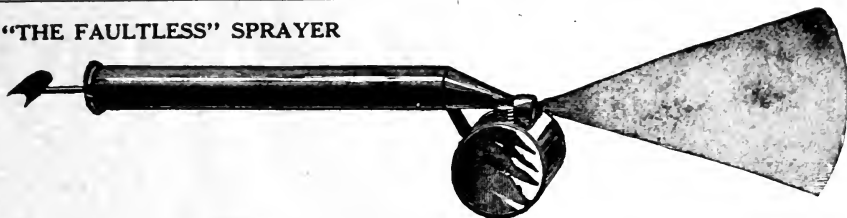
Guaranteed Analysis

Ammonia, soluble in water.....19%
 Available Phosphoric Acid.....10%
 Potash, soluble in water.....14%
 Total, in perfect balance.....43%

Send us 10 cts. for a trial package of "Watch-em-Grow," with directions for using. After using contents, if you are satisfied with results, you may return us the empty package and forty cents (40 cts.), for which we will mail you one of our regular fifty cent cans of Watch-em-Grow Plant Food. This makes the trial package cost you nothing.

Trial Package, 10 cts.
 Large 8 oz. can, 50 cts.



"THE FAULTLESS" SPRAYER**SPRAY PUMPS**

It is a distressing thought: that the lovely flowers, the verdant foliage, the woody trunks and branches, even the fruits of the thousand and one items we have decked out in their best for your approval throughout our catalog—should have enemies, or be subjected to any distress in their triumphal progress—but such is the bitter fact. It would require a volume to go into much helpful detail on this subject; but every state supports an Experiment Station, who are competent and usually glad to give you specific information and advice.

Below are just a few of the most efficient, simple spray pumps, with which to distribute the remedies prescribed.

THE "FAULTLESS" SPRAYER No. 1

Above is absolutely the best small, simple mist sprayer for general use against insects, on the market. Made of tin, substantially jointed and reinforced; greatest durability and spraying force in its class. Adapted for throwing either liquids or dry powder. Price, 75 cts. each, or \$1.00 postpaid.

MYERS 8 FOOT PIPE EXTENSION

For use on the two Myers pumps listed—each.....\$1.25

Cog Gear Bucket**MYERS BUCKET PUMPS**

Constructed entirely of brass, with malleable iron foot rest. Will throw a solid stream 50 feet; valuable for spraying trees, washing windows or buggies, extinguishing fires, sprinkling lawns or flowers, etc. One superior feature is the extra jet for keeping the spray material mixed and agitated.

COG GEAR. (No. R-324)

1½ inch brass cylinder and patent cog-gear handle makes easy work and extra capacity. Price: The pump with agitator, complete with detachable hose and graduating fine, sprinkling and solid stream nozzle.....\$7.00

LITTLE GIANT. (No. 327½)

Special feature is the arrangement of air-chamber and cylinder side by side which makes the down stroke do all the work; thus relieving any upward pull on the bucket. Spray is continuous regardless of plunger action. Price: The pump, with agitator complete with hose and combination fine, coarse-spray and solid-stream nozzle.....\$4.50

Little Giant**THE HANDY "NIAGARA" HAND DUST GUN**

This is a most useful, practical and handy instrument, simply although well constructed, for applying all kinds of powder insecticides.

\$1.50 each by express; or \$1.75 by mail postpaid.

INSECTICIDES and FUNGICIDES**ARSENATE OF LEAD POWDER.**

A chemically accurate combination of Arsenic which is the poisoning agent, and Lead which serves to hold the poison upon the foliage and also counteracts possible damage to the leaf itself. An efficient destroyer of all leaf-eating insects which attack either fruit or shade trees, shrubs, flowers or vegetables. By express only. 5 lb. cartons, \$2.00 each, 1 lb. cartons, 75 cts. each.

BORDO POWDER.

A highly efficient powdered form of Bordeaux Mixture; non-poisonous, but of great effectiveness when applied against black spot, mildew, and all fungus diseases. 1 lb. cartons, 75 cts. each; By express only.

NIAGARA NICOTINE POWDER

A highly efficient destroyer of all sucking insects, designed to combat Thrip, Aphids, Spiders et al. Put up in an easily handled, fine powder form which works to perfection in the Niagara Hand Dust Gun. Must be shipped by express only. 1 lb. package 50 cts., 5 lb. package \$1.50.

"NICO-FUME LIQUID."

A highly concentrated liquid Nicotine solution for fighting sucking insects, such as Thrip, Aphids and Spider. Used according to directions, in a fine spray and with as much force as possible, it makes a very effective and inexpensive insecticide. Being highly poisonous, it must be stored in a safe place away from children. Can be shipped in express or freight orders only, not mailable.

¼ lb. can.....\$0.75 The proportion for spraying is one
1 lb. can..... 2.35 to two teaspoonfuls added to a gallon
4 lb. can..... 8.50 of water.

SULPHO-TOBACCO SOAP.

Useful for ridding house plants of bothersome insects. Especially efficient in removing scale from Palms and Ferns. Small cakes, enough to take care of the ordinary plant collection, by mail, postpaid, for 20 cts.

WIZARD

TRADE BRAND MARK
PULVERIZED

Sheep Manure

Pulverized Sheep Manure is the ideal fertilizer to use for the lawn, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with Wizard.

**PRICE:**

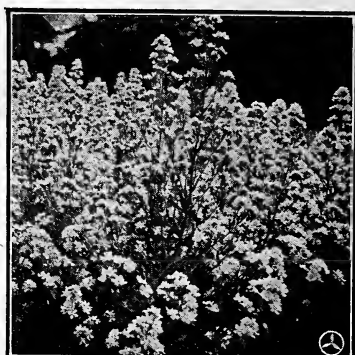
By express or freight only—
not prepaid: 5
lbs., 25c.
10 lbs., 45c; 25
lbs., \$1.00; 100
lbs., \$3.25.



Ageratum Tom Thumb



Sweet Alyssum



Anchusa Dropmore

S. & H. CO. SUPERIOR FLOWER SEED

FLOWERS are enjoyed by everyone and are so easily raised from seeds that any home can have an abundance of blossoms during the entire year. Those we offer in the following pages are the products of the best American and English growers. No better strains are to be obtained at any price. Clear and complete directions for sowing are printed on each packet.

Flowers are usually known as **Annuals**, **Biennials** and **Perennials**.

Annuals bloom and ripen seed the first year and then perish.

Biennials do not generally bloom the first year and are in perfection the second year only.

Perennials flower several years in succession, many blooming the first year from seed sown early, and are used for permanent plantings.

Hardy Perennials and **Biennials** may be sown either in early Fall or Spring and require no protection through the Winter. **Hardy Annuals** may be sown either in late Fall or Spring.

Half Hardy Annuals, **Biennials** and **Perennials** can not be sown in open ground until warm weather; they may if desired be started early inside and transplanted afterwards. The latter two need protection in Winter or may be carried through in cold frames or greenhouses.

We are often asked to name the various Flowers suitable for cutting and to answer this query we have designated all such sorts with this character. ©



S. & H. Co. FLOWER SEED COLLECTIONS



Before the opening of the shipping season, we put up great quantities of the collections named below. The varieties cannot be changed from the ones named for the above reason; but they are all proven kinds.



Choice,
Free
Flowering,
Easily
Grown
Annuals

COLLECTION "C"

Asters, Choice Mixed.
Alyssum, Sweet.
Bachelors Button, Mixed.
Cosmos, Mixed.
Larkspur, Mixed.
Marigold, Mixed.
Mignonette, Large Flowered.
Nasturtium, Tall, Finest Mixed.

Nasturtium, Dwarf, Finest Mixed.
Pansies, Mixed.
Poppy, Annuals Mixed, Double.
Petunia, Finest Striped and Blotched.
Phlox, Grandiflora, Fine Mixed.
Sweet Peas, Mixed.
Zinnia, Fine Mixed.

15 PKTS.
POSTPAID
FOR
50
CENTS



ONE
PACKET
OF
EACH

"LITTLE FOLKS" COLLECTION of FLOWER SEEDS

All children love flowers and take great pleasure in having their own plot of ground to work. We have selected this collection of easily grown annuals especially for the children. Each packet is full sized and contains a generous amount of seed.

Asters, choice mixed.
Bachelors Button, mixed.
Candytuft, mixed.
Phlox, mixed.
Sweet Peas, Mammoth, mixed.

Dwarf Nasturtium, choice mixed.
Marigold, mixed.
Mignonette, large flowered.
Poppy Double, mixed Peony flowered.
Petunia, fine mixed.

10 PKTS.
POSTPAID
FOR
25
CENTS

**Giant
Snapdragons**



ANTIRRHINUM • (Snapdragon)

Snapdragons are among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blooming season giving them great value for garden color masses, as well as for cutting. They have dark and glossy leaves; and curiously pea-shaped flowers with uniquely marked throats, set densely in long, upright racemes. They bloom in July from seed sown outdoors in early May, but for earlier bloom, seed should be started indoors during March. Succeed best in dry loamy soil. Half hardy perennial.

TALL SNAPDRAGONS (MAJUS GRANDIFLORUM)

An improved, very large flowered strain especially suited to forcing for long stemmed cuts; about 2 feet.

Delicata—Rose pink. **Garnet**. **Golden King**.

Harmony—Rosy orange terracotta. **Rose**.

Scarlet. **Queen Victoria**—Pure white.

Fire King—Flaming red and yellow.

Othello—Richly shaded maroon.

Rose Carmine—Very bright and showy.

Price of above. Pkt. 10 cts. each.

Majus Grandiflorum Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

HALF-DWARF SNAPDRAGONS (MAJUS GRANDIFLORUM NANUM MEDIUM)

Dwarf growing (about 18 inches), but with equally large flowers as the type, in a fine color mixture. Being more compact, are particularly good for bedding.

Amber Queen. Amber, suffused chamois. Pkt. 10 cts.

Bonfire. Orange buff, shaded scarlet. Pkt. 10 cts.

Crimson Queen. An intense shade. Pkt. 10 cts.

Daphne. Pearl pink. Pkt. 10 cts.

Defiance. Fiery scarlet. Pkt. 10 cts.

Firebrand. Scarlet, with orange lips. Pkt. 10 cts.

Golden Queen. Clear yellow. Pkt. 10 cts.

Mont Blanc. Pure white. Pkt. 10 cts.

Nelrose. Silvery pink. Pkt. 10 cts.

Dwarf Snapdragons Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

AGERATUM

Little fluffy, bristly balls of color in sizeable clusters, liberally supplied from early summer until autumn. Being low and compact, they are mainly utilized for edgings or narrow borders. Half hardy annual.

Mexicanum Mixed. 2 feet. Both blue and white flowers. Pkt. 5 cts.

Tom Thumb. 6-inch. Bright blue. Pkt. 5 cts.

ALYSSUM

Hardy annual. White, sweet scented edging and basket plants. For borders, sow thickly; for winter bloom, sow in August and transplant to pots.

Little Gem. Makes a perfect "carpet of snow" not over four inches in height, commencing to bloom in spring when very small, and continuing without interruption until late fall. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Sweet Alyssum. Not over six inches high on account of its trailing habit; very sweetly fragrant. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts., oz. 40 cts.

AMARANTHUS

Tricolor. (Joseph's Coat) Beautiful foliage plant, growing three to five feet high, with ornamental leaves variegated in red, yellow and green. They should be grown in warm sunny situations and given plenty of room to develop. Pkt. 5 cts.

ANCHUSA DROPMORE

Grows bushily to 4 or 5 ft. with broad, rough foliage. Breaks out all over with showy clusters of deep gentian blue, in spring an almost solid mass of color, with intermittent flashes throughout the summer. Pkt. 10 cts.

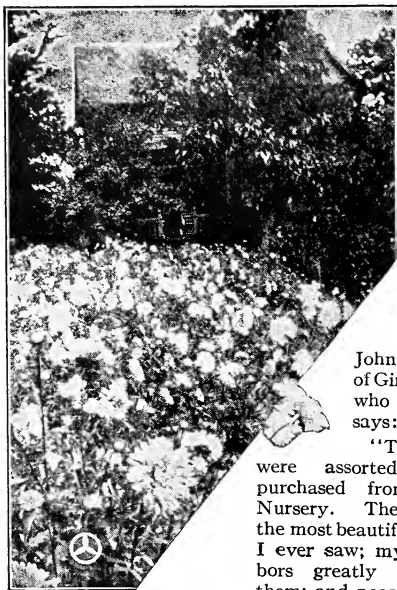


ANEMONE CORONARIA •

A delightful poppy-like type belonging to the early and late fall. Its bloom is solitary, but numerous, large, on slender stems, ideal for vase bouquets. Perennial, blooming the first year if sown early and shaded until plants appear. Mixed colors. Pkt. 10 cts.

ARCTOTIS • (African Daisy)

Grandis. One of the genuinely valuable garden annuals, furnishing an abundance of bloom from June till after hard frosts, the much-branched plants attaining 2 to 3 feet height. A useful and charming cut flower lasting a week or two in water, undeveloped buds opening up perfectly if kept in the sun. The daisy flowers are glistening white on the uptilting face, variegated by the partially visible under surface of pale lilac-blue. Pkt. 10 cts.



John Horner
of Girard, Pa.,
who kindly
says:

"The seeds were assorted colors, purchased from your Nursery. These were the most beautiful Asters I ever saw; my neighbors greatly admired them; and people came from miles around to see

them. You may depend on me buying all my seed from your Company, hereafter."

Early. First bloom in July.

EXTRA EARLY EXPRESS (Comet)

These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from $3\frac{1}{2}$ to 4 inches across, very free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches. **Dark Blue.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Lavender.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Rose.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **White.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

"Lavender Gem" A true lavender of splendid Comet type, borne on long strong stems, very early, and an ideal cutting variety. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

QUEEN OF THE MARKET

Earliest of all the Asters, with first bloom in July; flowers characteristically perfect in form. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting.

Snowdrift (Pure White). **Crimson.** **Light Blue.** **Pink.** **Scarlet.** **Dark Blue.**

Each, Pkt. 5 cts. Any six packets of above for 25 cts. **Mixed.** Pkt. 5 cts., $\frac{1}{8}$ oz. 20 cts.

"Lady Roosevelt" One of the finest of recent introduction; perfect in shape and Comet type; color a magnificent rose-pink; long strong stems and for cutting has no superior. Our seed comes from selected stock and is of first quality. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



The King Type

ASTERS

Asters are among the most popular and easily grown of all our annuals.

By making a sowing of each of the various sorts, a continuance of flowers may be had from early Summer until frost. For early flowers, sow the seed in house or green-house during March or April and transplant to the open ground in May. For later flowers, which are the finest, sow thinly in the open ground early in May, transplanting as soon as plants are large enough. Half hardy annuals.

The little home garden scene at left, is contributed by our customer and good friend



Extra Early Express Asters

Mid-season Asters. Commencing in Aug.

KING TYPE. This type is quite distinct owing to the very double petalage, which is characteristically quilled, at times almost needle-like. They are strong and sturdy, averaging 18 inches in height; with an abundance of large, perfect flowers for three months.

Blue King. A rich color, very noticeable in contrast with lighter shades.

Crimson King. A rich, deep crimson.

Lavender King. **White King.**

Rose King. An enormous quilled Aster, reaching a diameter of four and five inches under cultivation. Brilliant rose color. **All Kings,** Pkt. 10 cts. each.

Finest Mixed Kings. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

"Sensation." This is a new variety, genuinely red. In shadow, its color tone is deep garnet, or ox-blood red; but sunshine brings out the life and brilliancy of fire. Its flowers average about $3\frac{1}{2}$ inches across, borne very freely throughout August and September on 12 inch stems. The plants are quite branchy, about 18 inches high. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

Mid-Season Asters—Continued

CALIFORNIA GIANTS.

A new derived type with giant 5 to 6 inch flowers expressing the popular Crego or Ostrich Feather style, coupled with the more robust habit and greater length of stem characterizing the Beauty class. This welding of types benefits its value for cutting, enabling their extreme size and perfection to be used in vase and floral work where the ordinary stems would not give sufficient support. Separate colors: **Light Blue, Deep Rose, Light Purple, Dark Purple, and Peachblossom.** Pkt. 15 cts. each. **Mixed**, Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

MIKADO.

This shaggy group is derived from the Comet type with distinct arrangement of narrow petals which are very long and gracefully reflexed, outer ones showing to full extent; while those in center bend and curl across each other so as to give the entire flower a fluffy appearance. Of gigantic size, often spreading to six inches. **Mikado Crimson. Mikado Lavender. Mikado White. Mikado Pink (or "Rochester").** The exquisite Enchantress shade. Pkt. 10 cts., 3 pkts. 25 cts. **Mikado Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

CREGO.

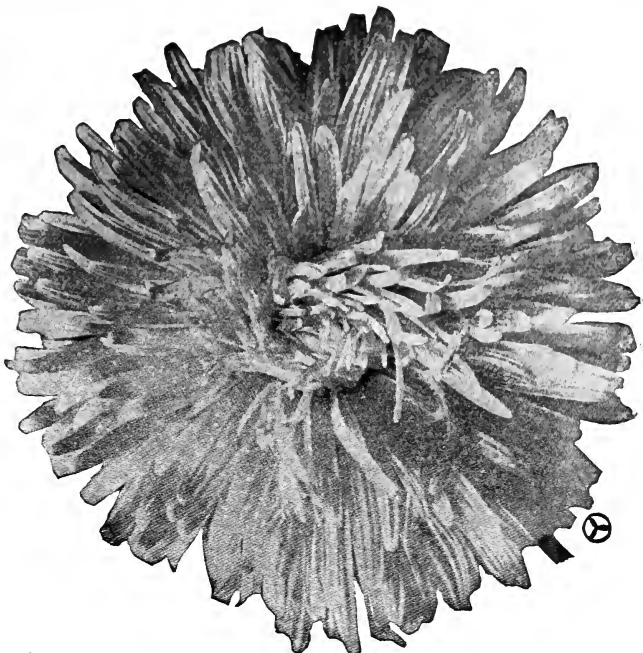
This section produces the largest flowers of the Comet type; very full and fluffy, around five inches in diameter. When cut, this group outlasts all others of the type. **Crego Crimson. Crego White. Crego Shell Pink. Crego Lavender. Crego Purple.**

Each; Pkt. 10 cts., any 3 pkts. for 25 cts.

Crego Mixed. (All Colors) Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

GIANT COMET.

A type well known and appreciated for its striking resemblance to the Japanese Chrysanthemums; flowers large, twisted, curled and crested. $1\frac{1}{2}$ feet. **Giant Comet Crimson. Giant Comet Light Blue. Giant Comet Pure White. Giant Comet Dark Blue. Giant Comet Light Pink.** Each; Pkt. 10 cts. **Giant Comet Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



The New California Giant Asters

Late Asters. In prime from September on.

"Heart of France."

This new late Aster opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center, larger than any other dark sort. The plants are of branching type and very robust habit, 24 inches high. The stems are long and strong and have very few laterals. The plants begin to bloom quite early, open fully with the midseason varieties, but reach their supreme glory in September. Pkt. 15 cts., 2 pkts. for 25 cts.

"Crimson Giant."

This new late variety is very brilliant in beds or borders, revealing all the good qualities of the Branching type, although itself of upright growth 15 to 18 inches high. Its flowers are densely double, very large (seldom under five inches), aglow with the richness and brightness of blood-crimson. Pkt. 15 cts., 2 pkts. for 25 cts.

LATE BEAUTY

Plants about 2 to 3 feet high of branching habit, commencing to bloom in early September and lasting until destroyed by frost. Flowers large, borne on long and stout stems from 18 to 24 inches long.

Azure Fairy. Sky blue. Pkt. 15 cts.

Lavender Beauty. Pkt. 15 cts.

Rose Beauty. Pleasing bright rose. Pkt. 15 cts.

September Beauty. Delicate flesh pink. Pkt. 15 cts.

White Beauty. Giant white. Pkt. 15 cts.

Finest Mixed Beauty. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

LATE BRANCHING.

A useful class for bedding, the strong, branching plants 2 to $2\frac{1}{2}$ feet high. The flowers are very large and double (5 inches wide), with long, strong stems, making splendid cut-flowers.

Branching Light Pink. Branching Lavender.

Branching Dark Red. Branching Purple.

Branching Scarlet. Branching White.

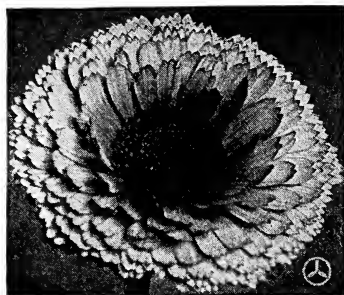
Branching Cardinal.

Above,—Pkt. 10 c. (Any 3 pkts. for 25 c.), $\frac{1}{8}$ oz. 30 c.

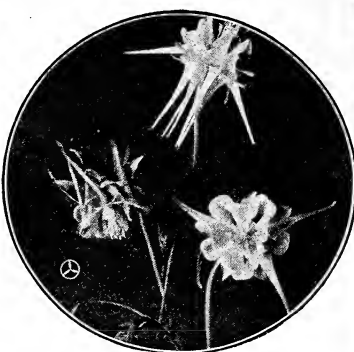
Late Branching Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



Late Branching Asters



Calendula



Long Spurred Columbine

AQUILEGIA

The general appearance of "Col-umbines" with their deep cut, round-lobed foliage and nodding flower stems, expressing so many lovely shades of color, is graceful, airy and distinctive, typical of spring time. They are used liberally in low borders to offset any appearance of formality; and provide an unending succession of cut flowers, well into summer. Hardy perennial.

Chrysantha. Heavily spurred yellow flowers ranging from clear canary to deep yellow. Pkt. 10 cts.

Cerulea. Sepals blue, petals white, a dainty effect. Pkt. 10 cts.

Long Spurred Hybrids. A choice mixture of long spurred varieties in various colors, shades of blue are predominant. Pkt. 15 cts.

Mixed Double. Bulky double flowers; best colors. Pkt. 5 cts.

BACHELORS BUTTON

Pretty 2 foot border plants, and reliable cut-flowers. Hardy annual.

Single Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Double Blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Double Mauve. Pkt. 10 cts.

Double Rose. Pkt. 10 cts.

Double Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

BALLOON VINE ("Love-in-a-Puff")

A rapid growing annual climber; bears small white flowers, followed by inflated seed-pods resembling balloons. Pkt. 5 cts.

BALSAM (Giant Double Camellia Flowered)

Tender annuals, thriving in hot weather, if planted in good soil and well watered. Should be set about 18 inches apart. If wanted early, sow indoors and transplant. This has a tendency to dwarf the plants, making them more satisfactory.

The large, double, gaudily colored flowers are set like Hollyhocks along the 2 ft. stems, with slender leaves protruding.

Alba Perfecta. Pure white.

Scarlet. Intensely brilliant.

Rose King. Rich rose-pink.

Above—each, pkt. 10 cts.

Salmon Rose. True pink.

Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

CALENDULA

Hardy annuals; 1 ft. A wonderful profusion of flowers, ranging from ivory to orange. Valuable for bed and borders. Bloom until late fall.

Ball's Florists' Strain. A new but well proven strain specially adapted to forcing; the flowers unusually large and double, of uniformly, rich, dark orange color; with extra long, firm cutting stems. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Orange King. Bright orange red, with dark eye. Very double, often 3 inches across. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Choicest Mixed. All colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

CALLIOPSIS or COREOPSIS

Sow where they are to remain, and thin to one foot apart.

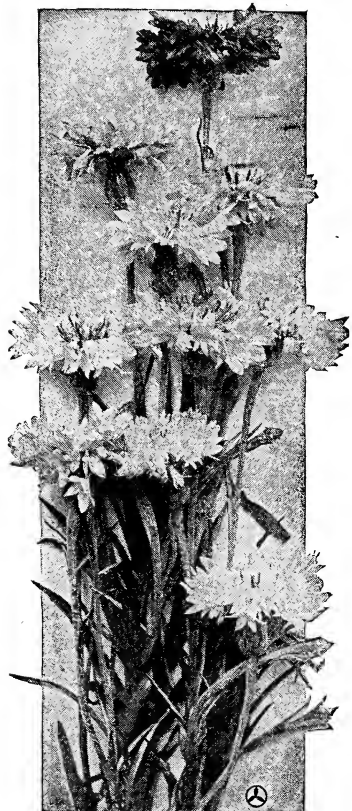
Golden Wave. Bright golden flowers, two inches across, each distinctly marked with dark brown center. Hardy annual. Pkt. 5 cts.

Finest Mixed. (Red, orange, etc.) Hardy annual. Pkt. 5 cts.

Lanceolata Grandiflora. Beautiful hardy perennial; 15 to 18 inches; producing its golden yellow flowers in great profusion. Pkt. 10 cts.



Red Balsam



Bachelors Button



Calliopsis Golden Wave

CAMPANULA © (Bell Flower)

Well known perennials with bell-shaped flowers of varying size and type, which add wonderfully to the charm of summer gardens. Seed sown in the open in early April will develop sturdy little plants prepared to bloom in great profusion throughout the summer of next year. Transplant permanently in October and give winter protection.

Carpatica. (Carpathian Harebell) Fine for edging; six inches high. Thimble size bells borne very freely and continuously. Mixed blue and white. Pkt. 10 cts.

Medium. (Canterbury Bells) Long stemmed and large flowered, of deep pitcher shape. Colors range from blue and rose to white, in mixture.

—**Single Medium Mixed.** Pkt. 5 cts.

—**Double Medium Mixed.** Pkt. 10 cts.

Calycanthema. (Cup and Saucer) Practically the same as the type, except this form is provided with an extra large calyx which gives a distinct impression of a cup and saucer.

—**Cup and Saucer Blue.** Deep, solid shade.

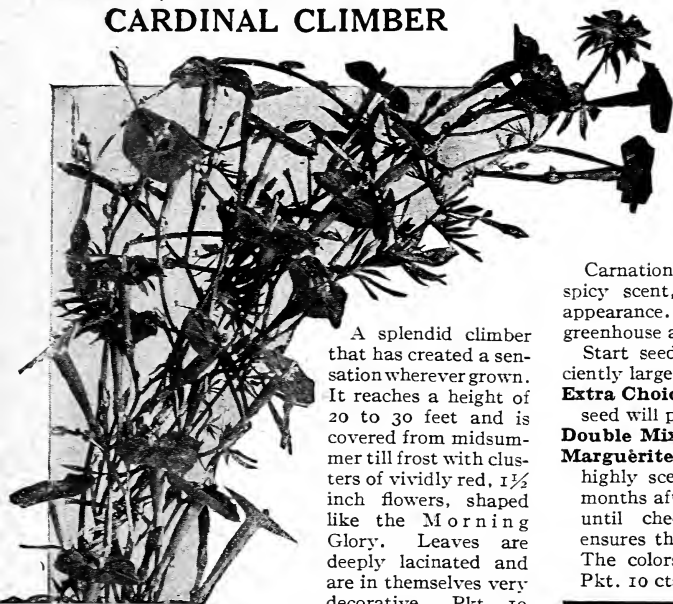
—**Cup and Saucer Rose.** Bright.

—**Cup and Saucer White.** Waxy white.

—**Cup and Saucer Mixed.** All shades.

Each above, Pkt. 10 cts.

CARDINAL CLIMBER



A splendid climber that has created a sensation wherever grown. It reaches a height of 20 to 30 feet and is covered from midsummer till frost with clusters of vividly red, 1½ inch flowers, shaped like the Morning Glory. Leaves are deeply lacinated and are in themselves very decorative. Pkt. 10 cts., 3 pkts. 25 cts.

CANDYTUFT © (Iberis)

Wonderfully effective for white massing, but long a favorite cut flower as well. Most blooms are sweetly fragrant. Hardy annual, about one foot.

Giant Hyacinth Flowered. The results of persistent painstaking selection from Empress; unquestionably the largest and best formed of the white varieties. Pkt. 10 cts. ¼ oz. 25 cts.

Little Prince. Flowers large, plant six inches high; a fine border plant. Pkt. 5 cts., ¼ oz. 20 cts.

Empress or Snow Queen. A complete mass of large snow white flowers. Pkt. 5 cts., oz. 25 cts.

Crimson. A fine large flower. Pkt. 5 cts.

Lavender. True lavender, very fine. Pkt. 5 cts.

Rocket. Long white spikes. Pkt. 5 cts., oz. 25 cts.

Fine Mixed. Pkt. 5 cts., oz. 25 cts.

Perennial. (Iberis Sempervirens) Hardy evergreen; pure white. Pkt. 10 cts.



"Cup and Saucer" Canterbury Bells

CANARY BIRD FLOWER

A rapid growing summer climber, with finely cut foliage and yellow flowers. Tender annual. Pkt. 5 cts.

CARNATION ©

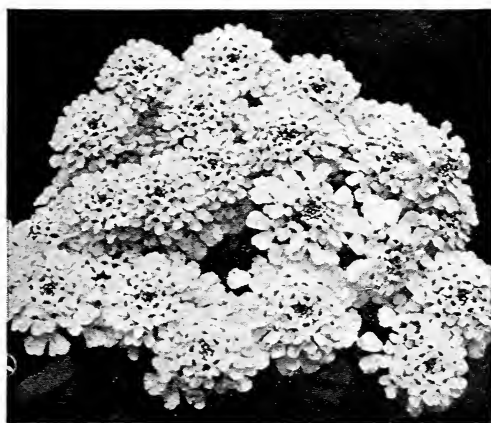
Carnations have ever been highly regarded for their spicy scent, bright colors and generally charming appearance. Useful in summer garden and winter greenhouse as well.

Start seed under glass and transplant when sufficiently large. Half-hardy perennial. 1½ feet.

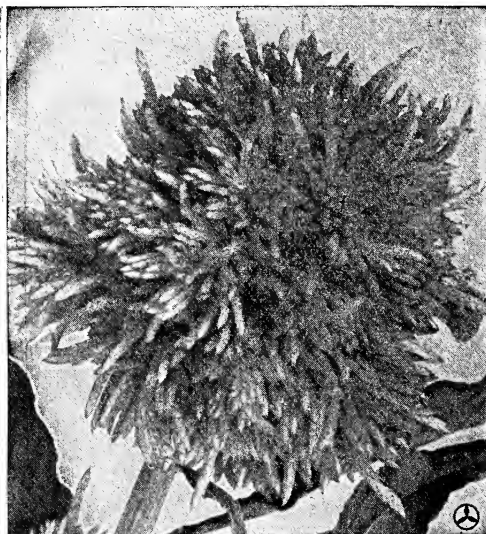
Extra Choice Double Mixed. A large portion of this seed will produce double flowers. Pkt. 25 cts.

Double Mixed. All shades and colors. Pkt. 15 cts.

Marguerite. With ordinary care this double, fluted, highly scented type will be in full bloom in four months after sowing the seed, flowering in profusion until checked by frost. Protection ordinarily ensures their permanency, and early spring bloom. The colors range through many shades. **Mixed.** Pkt. 10 cts., ⅓ oz. 25 cts.



Candytuft



Chinese Wool Flower
CELOSIA (Cockscomb)

Free and continuous blooming annuals of great value for injecting brilliancy of color into beds or borders. Content with light soil not too rich. Cut blooms may be dried for winter decoration. Conservatory pot plants. If started inside, transplant them in May, or sow in the open at that time.

CRISTATA (Tall Cockscomb)
Crested flower heads like a cock's comb, varying in size, as do the plants which support them. **Cristata Tall Mixed.** Various color shades. Pkt. 10 cts.

CRISTATA NANA (Dwarf Cockscomb)
Glasgow Prize. Immense, compact combs of richest crimson often a foot in extent, crowning plants 8 to 10 inches high. Pkt. 10 cts.

President Thiers. Of fine dwarf habit; with bronzy foliage, and handsome velvety crimson combs of large size. Pkt. 10 cts.

Dwarf Cockscomb Mixed. Various shades. Pkt. 10 cts.
PLUMOSA (Feathered Cockscomb)

This "Ostrich Feather" type grows from 2 to 5 feet high, very showy with their large, dense, and continuing upright plumes. Very effective in garden sections; as fresh cut flowers, and dried, or potted.

Ostrich Feather Tall Mixed. Pkt. 5 cts.

Castle Gould. A distinct type, particularly well adapted to use as pot plants, being literally clothed

from base to summit with immense feathery heads of bloom. 2 to 3 feet high. The colors embrace blood red, carmine yellow, golden orange, scarlet, wine red. **Mixed.** Pkt. 10 cts.

Chinese Wool Flower. This recent novelty is the most curious of all Celosias. Globular flowers, like balls of bright red wool, bloom in July and continue until cut down by frost; do not fade, but increase in size and brilliancy. Height 2 to 3 feet. Pkt. 10 cts.

CENTAUREA

Gymnocarpa. A useful foliage plant known as "Dusty Miller." Grows to 1½ feet; deeply indented fernlike foliage so dusted with silver as to be almost white. Half-hardy perennial. Pkt. 10 cts. 500 seeds, 25 cts.

Imperialis. © **All Colors, Mixed.** (Giant Sweet Sultan.) Bushes are covered with large, fluffily ball-shaped, sweet-scented flowers. Will keep a week or over in water, if cut when just about to open. Hardy annual, 2 feet. Pkt. 10 cts.

CHRYSANTHEMUM ©

Annual Double White Snowball. Covered with clusters of double pure white flowers of a beautiful fringed appearance, all summer. Pkt. 5 cts.

Annual Double and Single Mixed. Beautiful double and single types together in a wide range of colors, blooming gorgeously all summer. The single kinds are prettily called "painted daisies." Pkt. 5 cts.

CINERARIA

Hybrida Grandiflora. (Large flowered.) Choice house or conservatory plants for early spring decoration. Grow from 12 to 18 inches high, are completely covered with flowers, 2 and 3 inches across, of white, blue, violet, and crimson shades. Seed may be sown from May to September for succession. Greenhouse perennial. **Mixed.** Pkt. 35 cts.

Maritima. (This is the edging about the Kochia illustrated on page 43.) Another "Dusty Miller," denser than the Centaurea type; one of the showiest silver or white-leaved foliage plants for bedding, ribbon beds and margins. In rich soil they will reach 2 feet in height. Pkt. 10 cts., ¼ oz. 25 cts.

CLARKIA ELEGANS ©

This pretty, easily grown annual is a popular garden and cut-flower plant, showy in borders, hanging baskets or vases; not particular as to location, 2 to 2½ feet.

The bloom is double, abundant, in small leafy racemes, and opens well in water when cut.

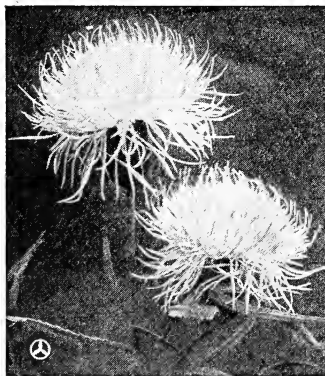
Alba, fl. pl. (Double white.) Pkt. 10 cts.

Apple Blossom, fl. pl. (Double Pink.) Pkt. 10 cts.

Salmon Queen, fl. pl. (Double Salmon.) Pkt. 10 cts.

Elegans Scarlet Queen. (Orange Scarlet.) Pkt. 10 cts.

Double Mixed. Pkt. 10 cts.



"Sweet Sultan" (Centaurea)



Single Annual Mums



"Dusty Miller" (Centaurea)



COSMOS ●

These delightful, fall blooming plants are seldom lacking in our gardens. Their growth is much branched and bushy up to five or even six feet, the fine-cut, lacy foliage being decidedly ornamental from the very first. Special soil preparation is not necessary and the early flowering kinds may be sown where they are to stay; but the later types should be started inside, preferably potted to procure a confined root-ball, and transplanted to not less than 18 inches interval only after danger of frosts is over. It is well to pinch back the tops at about two feet, to induce more branches. The flowers are conspicuously large and well distributed, brightly colored, and very welcome for both garden show and bouquets at a time when bloom is scarce.

MAMMOTH EARLY FLOWERING

Flowers fully equal in size to the Giant Fancy class, blooming abundantly in August. Develops quicker, although not so tall. These are furnished in separate colors—**Crimson**, **Pink** or **White**, at 10 cts. per pkt., $\frac{1}{4}$ oz. 25 cts. **Mixed**, Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

NEW DOUBLE CRESTED COSMOS

This beautiful type is something entirely different from other Cosmos. The flowers are not rully double, but are double crested, having double centers and a row of petals around the base, which makes them very effective. Flowers are borne on strong stiff stems, fine for use as a cut flower. Very shy seeders.

Crimson King. Richly deep crimson shade. Pkt. 15 cts., 2 pkts. for 25 cts.

Pink Beauty. Very delicate pink. Pkt. 15 cts., 2 pkts. for 25 cts.

White Queen. Pure white, outer petals fringed. Exceedingly pretty. Pkt. 15 cts., 2 pkts. for 25 cts.

Crested Mixed. The color shades not separated. Pkt. 10 cts.

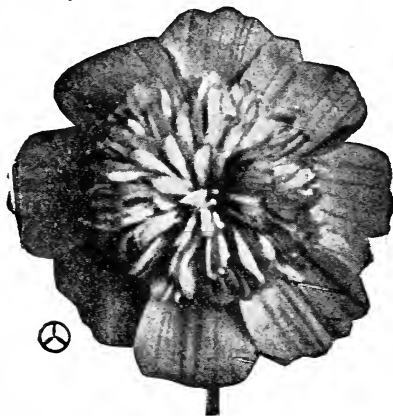
GIANT FANCY COSMOS

Called "Giant" because their flowers were so much larger and more perfect than the old line of Cosmos, which they have since entirely replaced. On account of their late bloom, it is best to sow their seeds inside to get an early start; then by transplanting after the late spring frosts, Northern gardens may be rewarded for a considerable period before the first frosts of autumn. These are offered in distinct separate colors—**Pink**, **Crimson**, or **White**, as well as **Mixed**, at 10 cts. per pkt., $\frac{1}{4}$ oz. 25 cts.

Klondyke. A semi-double variety; golden yellow. Pkt. 10 cts.

COBEA SCANDENS

A fine rapid growing climber, with handsome foliage and large bell-shaped flowers; green at first but rapidly changing to purple. Seeds should be started in hot-bed or rather dry soil (as they are apt to rot in open ground); setting them edgewise and just barely covering. Tender perennial. 20 feet. Pkt. 10 cts.



Crested Cosmos

COLEUS—Choicest New Hybrids

A beautiful class of popular decorative foliage plants with such diversity of pattern and rich coloring, their growing is a matter of absorbing interest and pleasure. For bedding or pot culture. **Mixed.** Pkt. 20 cts.

CYCLAMEN

Bulbous-rooted plants, with beautiful foliage and richly colored, fragrant flowers. Tender perennials. **Persicum Giganteum.** Six inches high; large pea-like solitary flowers in abundance. **Mixed.** Pkt. 25 cts.

CYPRESS VINES

Ipomea Quamoclit. A tender annual, 15 foot climber, with delicate dark green feathery foliage and abundance of bright, star-shaped rose, scarlet or white blossoms. **Mixed.** Pkt. 5 cts.

Ivy-Leaved Scarlet. The deeply lobed, ivy-like leaves form a dense screen, with great racemes of fiery scarlet flowers. Pkt. 5 cts.

DAHLIA ●

Half hardy perennial; two to four feet. Popular late summer and autumn flowering plants. The double type will bloom first season if sown by April 1st; but sowing the Singles may be deferred as late as June.

Double Mixed. Finest double flowers, including the new, large flowered varieties. Pkt. 20 cts.

Single Giant Perfection. The flowers are large; many are marbled and striped. Mixed colors. Pkt. 10 cts.

ENGLISH DAISY (*Bellis Perennis*)

A favorite dwarf perennial, the six-inch plant providing a vast amount of short stemmed bloom through the spring and summer. Extensively used as edging plants, and usually carry over if winter mulched. Sow seed early in hot-bed or house and transplant to a rich, cool, partially shaded situation.

Monstroza Red. Giant flowered red. Pkt. 10 cts.

Monstroza White. Very large flowered. Pkt. 10 cts.

Maxima Double Mixed. Various shades. Pkt. 10 cts.

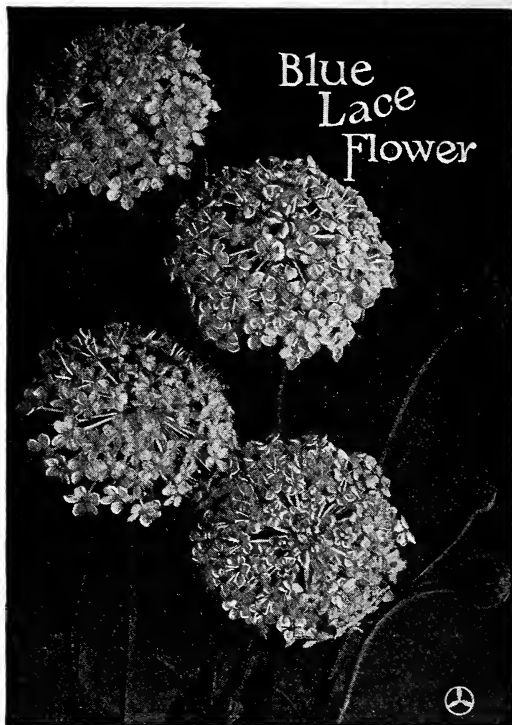
SHASTA DAISY ● (*Chrysanthemum Leucanthemum*)

The pure white flowers with yellow centers are three to four inches in diameter, with waxy petals mostly broad and flat. They bloom the entire season and furnish an unfailing supply of cut flowers, besides being a conspicuous and popular white border plant. Hardy perennial; 1½ to 2 feet. Pkt. 10 cts.

DATURA (Angels Trumpet)

Showy, large branching plants, growing two to three feet high, bearing trumpet-shaped flowers six inches in length. They make a fine sub-tropical effect in the garden if given light rich soil and a sheltered sunny location. Excellent pot plants for the greenhouse.

Double Mixed. Pkt. 10 cts.

**DIDISCUS COERULEUS** (Blue Lace Flower)

Originally from Australia, once a great garden favorite as "Queen Anne's Lace." After a generation or two of comparative oblivion, it has come back sensationally and acquired adoption as a favored cutflower. Seed sown outdoors after danger from frost, should ensure bloom continuously from July to October. The much-branched plants grow to about two feet, with subdivided foliage. The terminal flower umbels average close to three inches across, a lacy association of long thin tubes and flaring faces in the numerous florets. The entire flower is such an appealing shade of "heavenly" blue, and its construction so dainty, we cut it for solid vase fulls, we plant it as a mixer with coarser flowers, and we pot it for winter house-bloom. For winter cutting, it is being forced largely by commercial florists, and in private conservatories. Pkt. 15 cts., 2 pkts. 25 cts.

ESCHSCHOLTZIA or CALIFORNIA POPPY

California's State flower. Dwarf plants about 1 foot high, with spreading, silvery, fine cut foliage; furnishing a liberal quantity of poppy-like flowers from spring until late fall. In addition to the original yellow, the class is now enriched by various color shades. Produce beautiful effects either as border plants or in masses. Hardy annuals.

Alba. Clear satiny white. Pkt. 5 cts. **Crimson.** Very fine. Pkt. 5 cts.

Golden West. The flowers have large overlapping petals; shining yellow, with orange blotch. Pkt. 5 cts.

Mandarin. Inside orange, outside scarlet. Pkt. 5 cts.

Mikado. Lustrous orange crimson. Pkt. 5 cts.

Rosy Morn. Delicate frilled flower, a dainty primrose yellow. Pkt. 5 cts.

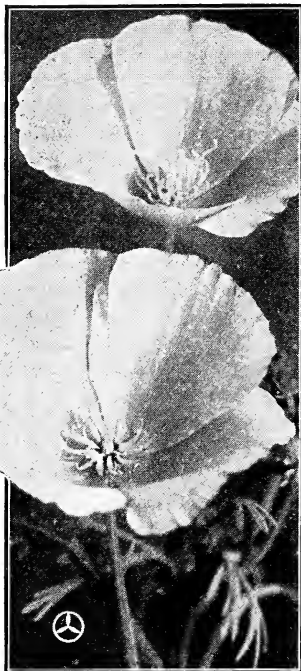
Mixture of above varieties. Pkt. 5 cts.

Bush Eschscholtzia. A fine bushy plant two feet high, with large cup-shaped yellow flowers, on long stems. Keep well in water. Pkt. 10 cts.

EUPHORBIA

Heterophylla. (Mexican Fire-plant) An annual resembling the Poinsettia in habit and color. Smooth glossy-green leaves which in mid-summer turn to a beautiful orange-scarlet. 2 to 3 feet. Pkt. 10 cts.

Variegata. (Snow-on-the-mountain) An old garden favorite; foliage and flowers veined and margined white. 2 to 3 feet. Pkt. 10 cts.



California Poppy



Gaillardia

FEVERFEW ◉

Double White. A bushy plant, bearing a profusion of double white daisy-like flowers of great popularity for summer bouquets. Hardy annual. Pkt. 5 cts.

FOUR O'CLOCK (Marvel of Peru)

Blooms the first season from seed; the flowers, which are produced in clusters, open in the afternoon and wither the next morning. Generally planted in solid rows, to outline the garden plot or walks; its innumerable flowers and gorgeous diversity of colors furnishing a great deal of cheer at little expense. 2 ft. Our mixture contains a fine variety of colors. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

FORGET-ME-NOT (Myosotis)

Hardy perennial, ½ foot. Very dainty edging plants.

Palustris. Blue, with white and yellow eyes. Pkt. 10 cts.

Victoria. Fine heads of large, clear, azure blue; plants bushy and compact. Pkt. 10 cts.



Godetia



Geum



Gypsophila

FOXGLOVE (Digitalis)

The mammoth three to five feet spikes of densely set colored flowers make them very desirable for use as backgrounds for lower growing plants. Hardy biennials. **Finest Mixed Gloxinoides.** Pkt. 10 cts.

GAILLARDIA ◉ (Blanket Flowers)

Grandiflora. Hardy perennial, 2 ft., blooming first season. Flowers large and flat; yellow and orange, with center and rings of varying extent in shades of red and maroon. **Mixed.** Pkt. 10 cts.

Picta Mixed. Annual. 1½ ft. Double and single flowers of many color shades. Pkt. 5 cts.

GEUM ◉

Mrs. Bradshaw. For use in bouquets and for red in hardy borders. They closely resemble dark crimson Carnations with broad, fluted petals, and a conspicuous tuft of golden stamens at center. Hardy perennial; 1½ ft. Pkt. 15 cts.

GOURDS

A tribe of tender annual climbers (10 to 20 ft.) with curiously shaped hard shell fruits, which may be used in many practical ways.

Large Mixed. **Chinese Sponge**
Small Mixed. or **Dish Rag.**
Apple Shaped. **Dipper.** Egg.
Pear Shaped. **ALL GOURDS.**
Calabash (Pipe). Pkt. 5 cts. each.

GODETIA

Their beautiful satiny, open flowers, covering a wide range of colors, produce a delightful effect in masses or borders.

They bear good flowers even in shaded places where so few flowers can be grown, and are better in the cooler sections, and in not too rich soil. Hardy annuals. 1 ft.

Finest Mixed. All colors. Pkt. 5 cts.

GYPSOPHILA ◉ (Baby's Breath)

Delicate stems and foliage in rounded clumps; profusely sprinkled with tiny star-blossoms. These misty panicles are exquisite "mixers" with other flowers, either in bouquets or in the garden.

Elegans. Annual. To provide continuance of bloom, should be sown several times. **Mixed Colors.** Pkt. 5 cts., oz. 25 cts.

Paniculata. Hardy perennial; 2 feet. Flowers white, with a general impression of being lavender, when in bud. Pkt. 10 cts.

HELICHRYSUM © (STRAWFLOWER or "EVERLASTING")

Hardy annual, 1½ ft. Flowers are round, flat but thick, very full of short, stiff, incurved petals surrounding a depressed center. Their chief value is for winter use in baskets and vases, dried. Cut with long stems when about a third opened, suspend bunch (heads down) in a cool, dry place until thoroughly dried. We offer the **MONSTROSUM fl. pl.** strain, which is the largest and most double, with the widest range of colors.

Fireball. Rose Queen. Crimson.
Goldenball. Scarlet. Silverball.
Violet Queen.

All above varieties, Pkt. 10 cts. each.

Monstrosum fl. pl. Mixed. All kinds together.

Pkt. 10 cts., ¼ oz. 25 cts.

Strawflower Set

1 Pkt. each of the 7 varieties for 50 cts.

HELIOTROPE

Valued for the fragrance of their flowers, and duration of bloom. Tender perennial, 1 ft. Easily grown, blooming first summer if sown early.

Fine Mixed. Pkt. 10 cts.

Lemoine's Giant Hybrid. Of robust growth, and large flower heads. Choice Mixed colors. Pkt. 10 cts.

HIBISCUS (Marsh Mallow)

Hardy Perennial. Spreading growth up to five ft.

Crimson Eye. Six inch white bells with crimson center. Hardy, blooming first year from seed sown in open ground if sown early. Pkt. 10 cts.

Moscheutos. (Rose Mallow) Large pink flowers with dark maroon eye. Pkt. 10 cts.

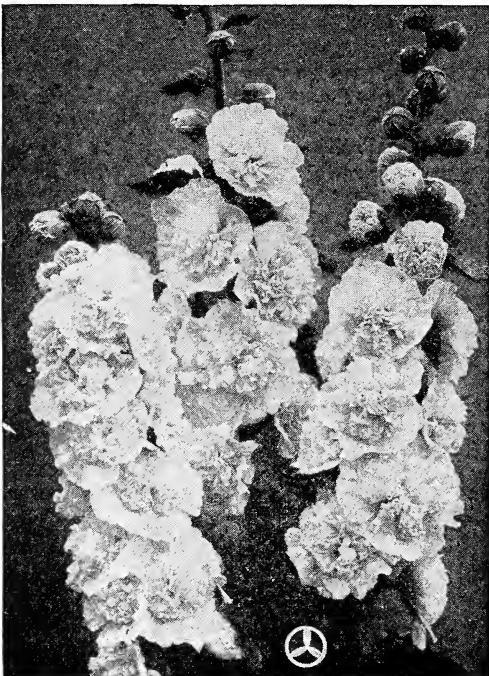
HOLLYHOCK

Hardy perennial. 3 to 5 feet. Sow seed in June or July in open ground, transplant to three feet apart.

Double White. Double Maroon. Double Red.
Double Pink. Double Yellow. Double Mixed.

Mammoth Fringed. (Allegheny) The flowers are from four to six inches across, single and semi-double, finely fringed and curled. Will bloom the first season if sown early. **Choice Mixed.** Pkt. 10 cts.

Single Mixed. Tall growth; rich pillars of color. All **Hollyhocks**—Pkt. 10 cts. each.



S. & H. Co. Double Hollyhocks



Helichrysum

VARIEGATED JAPANESE HOP

The leaves are marked with silvery white, yellow, and light and dark green, remaining until late in autumn; climbing 20 feet. Pkt. 10 cts.

HYACINTH BEAN (Dolichos)

A rapid growing annual climber, making about 10 feet. They bloom freely in large, upright racemes of pea-like flowers, either white or purple; followed by ornamental purple seed pods. Sow seed in April or May. **Mixed.** Pkt. 5 cts., ½ oz. 15 cts.

ICE PLANT

(*Mesembryanthemum*)

For baskets, rock work, vases. Appears covered with ice crystals. Tender trailer; six inches. Pkt. 5 cts.

IPOMEA

Tender annual climbers of rapid growth.

Heavenly Blue. Flowers four to five inches across, in large clusters, a beautiful sky-blue against richly green, large foliage. Pkt. 10 cts.

Setosa. (Brazilian Morning Glory) Extremely rapid growth producing dense shade; delightful 3 to 4 inch rose colored flowers. Pkt. 10 cts.

Ipomea Grandiflora. (Moonflower) Grows 25 to 30 feet. At night the plants are covered with solitary four to five inch, round pure white, fragrant flowers. Pkt. 10 cts., ½ oz. 30 cts.

JOB'S TEARS

Broad, glistening grass. The odd, tear-like seeds are often strung and used as beads. Hardy annual. Pkt. 5 cts., oz. 20 cts.

KOCHIA (Summer Cypress or Burning Bush) An annual plant of ideal character for temporary summer hedges. A feathery dense egg-shaped bush ranging from 2 to 4 feet according to soil. Foliage is so fine and close-set, the bush resembles a formally clipped evergreen, although soft enough to ripple. Pale, tender green throughout summer, the color turns towards fall to vivid red. Sow thinly in spring for an unbroken line, but for individual expression transplant to 18 or 24 inches apart. Pkt. 5 cts., ¼ oz. 25 cts.

LARKSPUR • (Delphinium)

ANNUAL

Giant Hyacinth Flowered. The plants grow three feet high with long spikes of giant flowers. Earliest flowering. Try these broadcasted with Shirley Poppies and Calliopsis. **Mixed Colors.** Pkt. 5 cts.

Emperor. Produces an abundance of long slender spikes in the most delicate colors. Mixed. Pkt. 10 cts.

Double Dwarf Rocket. 1 ft. Finest mixed. Pkt. 5 cts.

Double Tall Stock-flowered "Exquisite." A charming new variety with long stems and spikes; dainty pink. Pkt. 10 cts.

Newport Scarlet. This scarlet variety is one of the choicest; ideal for cutting. Pkt. 10 cts.



This Edging is *Cineraria Maritima*—(P. 38)

PERENNIAL

Useful and prolific, unsurpassed for furnishing the various shades of blue. All summer's bloom. Easily grown from seed.

Belladonna Hybrids. A magnificent sort unrivalled for continuance of bloom, with large spikes of the most delicate turquoise blue. Fine for cutting. Pkt. 20 cts.

Formosum. Dark blue with white eye; 3 feet. Pkt. 15 cts.

Choice Hybrids. Mixed shades of blue. Pkt. 10 cts.

LAVATERA • (Annual Mallow)

Very showy, free flowering annuals in bloom all summer and into Autumn, useful in 2½ ft., continuous garden rows, and for cutting, the single hollyhock-like flowers ranging from 2 to 4 inches wide, usually in small clusters.

Splendens Rosea. Bright rose pink to rosy red. Pkt. 10 cts.

Splendens Alba. Usually flushed, often pure white. Pkt. 10c.

LOBELIA

A most excellent and useful genus of plants, easy of culture and well adapted for bedding, hedging, hanging baskets, pots or rockeries. Seed should be covered lightly.

Crystal Palace Compacta. Fine for bedding, compact, erect growth, deep blue. Annual. Pkt. 10 cts.

Erinus Speciosa. Of trailing habit, bright blue flowers; fine for baskets. Annuals. Pkt. 10 cts.

Mixed. Compact varieties. Annuals. Pkt. 10 cts.

LUPINE •

Annual Mixed. Easily grown annuals, about 2 feet. Produces an abundance of long, graceful spikes of pea-like flowers which are very showy and pretty in shades of blue, rose and white. Fine for beds or borders as well as for cutting. Does well in partial shade. Pkt. 5 cts.

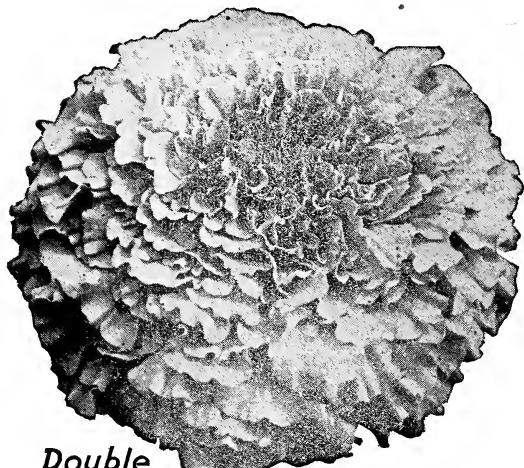
LYCHNIS CHALCEDONICA

Bright scarlet flowers of maltese cross form, usually in medium size flat umbels, handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. Hardy perennials. 2 to 3 feet. Pkt. 5 cts.



Lupine





**Double
African**



MARIGOLD

fragrant, hardy annual, blooming the entire season in the flower border; also fine for cutting, and for pot culture during the winter and spring.

Defiance. This magnificent variety, when grown under proper conditions, will produce spikes 12 to 15 inches long. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Goliath. Immense spikes, on strong stiff stems; very fragrant, fine for cutting; bright red. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

Machet. The plants are dwarf and vigorous, of pyramidal growth; with long spikes of reddish green flowers. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Large Flowering. Sweet Mignonette. Pkt. 5 cts., oz. 20 cts.

MOMORDICA (Balsam Apple)

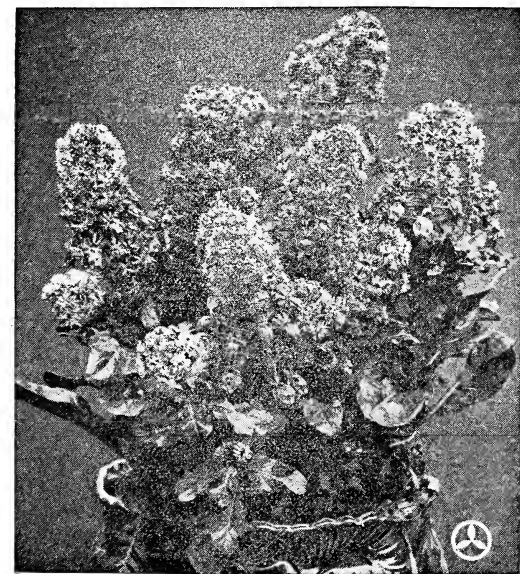
Balsamina. Annual climber (10 feet); beautiful foliage yellow blossoms; Fruit when ripe bursts open quickly, scattering the seed, and revealing its showy brilliant carmine interior. Pkt. 5 cts.

MORNING GLORIES (Convolvulus)

Annual vines, their morning glory of bloom unmatched for daintiness and refreshment, by any flower that heralds the dawn of day.

Convolvulus Major. The old fashioned Morning Glory, of rapid climbing growth and profuse bloom. Pkt. 5 cts., oz. 20 cts.

Japanese Giant. A class of climbers making a growth of 20 to 30 feet



Mignonette Machet

quite early in the season. Their large flowers are striped, spotted and margined in all shades from white to deepest red, blue and purple. Many are fluted and fringed. Sow the seeds early in a warm sunny place. Choice mixed. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

Large Flowering Rochester. Vines strong, growing 12 to 20 feet high, with magnificent foliage. Flowers 4 to 5 inches across, deep violet blue in the throat, graduating out to an azure blue, bordered with a white band around the edge. Pkt. 10 cts., oz. 30 cts.

Snow Fairy. Usual growth of 12 to 18 feet. The deep and numerous convolutions of its flowers create a pronounced double appearance, while the deeply feathered margins and glistening whiteness achieve an indescribable laciness and charm. The bloom is profuse, and continuous from the earliest season until cut down by frost. Pkt. 10 cts.

MARIGOLD

The African varieties running more to solid shades, are best suited to large sowings for their garden show. The French varieties are of still dwarfer growth, and fancifully striped and otherwise marked, making them better adapted for bouquets. All types are richly contrastive when assembled with the blue of Larkspurs or the paler tints of Cornflowers. Hardy annual.

Dwarf Double African Lemon. Pkt. 5 cts.

Dwarf Double African Orange. Pkt. 5 cts.

Dwarf Double African Mixed. Mixed orange and yellow shades. $1\frac{1}{2}$ to 2 feet. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Tall Double African Eldorado. Densely double flowers of extra size; rich golden yellow. Pkt. 5 cts.

Tall Double African Lemon. Pkt. 5 cts.

Tall Double African Orange. Pkt. 5 cts.

Tall Double African Mixed. 3 feet. Varied color shades and showy. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Dwarf French Double and Single Mixed. 1 foot. Finely cut foliage; flowers in fancy color combination and marking. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

MIGNONETTE

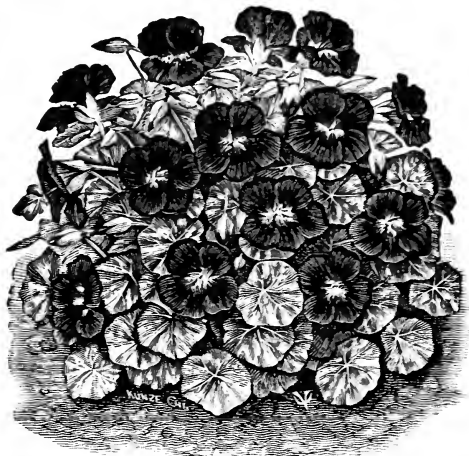
A delightfully



Japanese Giant Morning Glories

NASTURTIIUMS*

There is a distinct, peppery and altogether pleasing scent to Nasturtium flowers; the foliage is so pretty in its roundness and fresh, cleangreen; the coloring is so vividly bright and cheery; there is small wonder that the various types of this family are so extensively planted. They do not require anything unusual in the way of fertilization or attention, grow rapidly and bloom within a few weeks.



Dwarf Nasturtiums

TALL or CLIMBING VARIETIES

The vines grow quickly to 6 to 10 feet, making very showy mantles to conceal rough spots in the yard, or unsightly railings. They are beautiful as trellis vines, and take a prominent part in the furnishing of porch boxes and urns. **PRICE** Pkt. 5 cts., oz. 15 cts.

Chameleon. Blossoms of changing colors on the same plant.

Jupiter. Great rich yellow flowers resembling Orchids.

King Theodore. Rich, deep crimson; dark foliage.

Pearl. Tinted white. **Rose.** Bright rose-pink.

Schultzei. Scarlet flowers, dark leaves.

Vesuvius. Salmon rose, dark foliage.



Tall Mixed.

This is one of the most complete mixtures of Climbing Nasturtiums on the market; it includes, besides the various colors in this class, the popular strains of Mad. Gunther Hybrids, Lobbs and Chameleon. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

Lobb's Climbing Nasturtiums.

This is a choice selection of superior strains among the tall or climbing Nasturtiums, expressing the best in foliage and growth; with flowers a little more profuse, and running strong to rich red shades. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

DWARF VARIETIES

Very useful for bedding, massing or ribboning, brilliant and attractive. Flowers are brighter if soil is not over rich. Give each plant a foot of room; hardy annual; one foot. **PRICE:** Pkt. 5 cts., oz. 15 cts.

Chameleon. Blotched and various changing shades on one plant.

Empress of India. Brilliant crimson; dark tinted foliage.

Golden King. Bright yellow. **King Theodore.** Dark maroon.

King of Tom Thumbs. Intense scarlet; amidst glossy leaves.

Pearl. White. **Rose.** Rose-pink blossoms.

Dwarf Variegated Leaved. The foliage is a healthy dark green, peculiarly spotted with white. Flowers in a mixture of colors.

Dwarf Mixed.

This splendid mixture contains all the named varieties and every color. No finer mixture can be made. They will produce enormous flowers on long stems, in a wonderful variety of colors. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

NICOTIANA (Sweet Scented Tobacco Plants)

As summer garden plants, their long, broad leaves are quite as attractive as the fragrant star-shaped bloom.

Affinis. Pure white, sweet-scented flowers. Pkt. 10 cts.

Hybrida Mixed. Has large star-shaped flowers in many colors. If plants are taken up in fall, cut back, potted, they will bloom in the house during the winter. 2 to 3 feet. Mixed colors. Pkt. 10 cts.

NIGELLA (Love-in-a-Mist or Devil-in-the-Bush)

Damascena. Compact plants a foot high, with fine cut foliage within which is set a profusion of pretty, curious shaped flowers and seed pods; make good short-stemmed cut flowers. **Mixed** blue and white. Pkt. 5 cts.



"Love-in-a-Mist"

Superb Giant



● S. & H. CO. PANSIES ●

Pansy seed sown in August will provide strong plants for early spring bloom. The latter part of April is best for spring sowing, under normal conditions, producing flowers by the last of June and continuously until fall. A well enriched, finely worked soil is best. If drilled in, seed should be covered not over four times its own depth. If thinly covered (paper will do), to preserve moisture, germination should occur within 8 to 12 days. When the plants are sufficiently developed, transfer to desired location allowing about 9 inches for interval. Pansies will survive and bloom in waste spaces beneath the shading foliage of trees; but like most other flowers, attain fullest perfection in sunlight and natural ventilation. Many people start them in hot-beds or in boxes in the house, about two weeks before the probable earliest planting time. Naturally, the choicest quality seeds produce the best flowers, and we heartily recommend our own strains.

SUPERB GIANT PANSIES

The Superb Giant strain of Pansy seed represents the culmination of many years' rigorous selection, with the object in view of getting a type of flower at once the largest and most impressive, together with the most striking faces and richest colorings. It has been for years the very best strain available, and is largely planted by discriminating Pansy growers.

Adonis. Light blue, with white center. Pkt. 10 cts.

Andromeda. Lavender and pink. Orchid flowered. Pkt. 20 cts.

Beaconsfield. Deep purple violet, shading to lavender and white. Pkt. 10 cts.

Black. Jet black. Pkt. 10 cts.

Mad. Perrett. Edge of petal is frilled. The colors are dark wine, pink and red, beautifully veined, and all with a white margin. Extra large flowers. Pkt. 15 cts.

Masterpiece. Distinct in form of flowers, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance. Choice mixed colors. Pkt. 20 cts.

Peacock (or Pheasant's Eye.) The upper petals resemble in shade the peacock feather, while the lateral and lower petals are of a deep claret, with white margin. Pkt. 10 cts.

Purple. Giant, long stemmed flowers of a rich dark purple color. Pkt. 10 cts.

President McKinley. The ground color is a deep golden yellow, while each petal has a large blotch of rich dark violet, leaving a clearly defined broad edging of "pure gold." Pkt. 15 cts.

Ruby. Superb red. Pkt. 15 cts.

Striped. Beautifully striped and blotched, of various colors. Pkt. 10 cts.

White. Extra large, pure white flower. Pkt. 10 cts.

Yellow. Large, pure yellow. Pkt. 10 cts.

SUPERB GIANT MIXED PANSIES

Probably the most important and most extensively used of all Pansy mixtures. It is a painstaking distribution of the numerous named varieties of its class, together with Odier, Cassiers, Bugnot and Trimardeau selections. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. \$1.00.

TRIMARDEAU MIXED PANSIES

A particularly robust, hardy strain with richly colored flowers in the giant class, which rarely fails to give perfect satisfaction. Many growers claim better results and greater popularity for this type than obtainable from any other. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

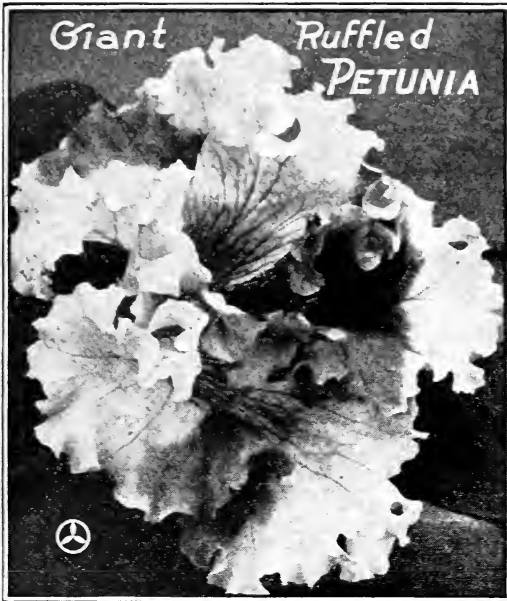
EXCELSIOR MIXED PANSIES

One of the older types of selected large flowered Pansies. It lacks many of the unique markings characteristic of newer forms, but still retains its own particular qualifications which make it especially adapted for bedding purposes. Pkt. 5 cts., six pkts. for 25 cts., $\frac{1}{8}$ oz. 40 cts.



Trimardeau

If too late to sow seed, buy plants offered in Plant Section



Single Bedding Petunias

PETUNIAS

"BALCONY" PETUNIAS

A valuable section remarkable for their great freedom, with flowers 3 inches across. Particularly adapted to use in vases, hanging baskets or window boxes.

Balcony Blue. Rich, velvety indigo blue.

Balcony Crimson. Of startling clearness.

Balcony Rose. Brilliant, attractive rose-pink.

Balcony White. Conspicuous. Pure, waxy white.

Balcony Mixture. Not comparable to ordinary mixtures; the extreme size, clear colors and distinctive form emphasizing their superiority; each packet furnishing a multi-colored little garden in itself.

PRICE. All "Balcony" Petunias 15 cts. per pkt.

SINGLE BEDDING PETUNIAS

Howard's Star. Clear purple with distinct white star filling throat, extending to edge of petals. Pkt. 10 cts.

Rosy Morn. Compact, bushy growth, fifteen inches high, same in diameter, covered throughout entire season with open-throated flowers $1\frac{1}{2}$ inches in diameter. Distinct and glowing, although a soft tone of rose-pink, with silvery white throat. Pkt. 10 cts.

Triumph. A splendid new single variety belonging with the large flowering section, but aligned with the bedders because of its uniform growth and general superiority as a mass bedder. It is beautifully ruffled, and very conspicuous in its clear, bright pink color. Pkts. 25 cts.

Single Pure White. A thrifty variety where a pure white is desired for beds and borders. Grow 10 to 15 inches high, very free blooming. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Finest Striped and Blotched. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Single Fine Mixed. Pkt. 5 cts., $\frac{1}{2}$ oz. 30 cts.

SINGLE LARGE FLOWERING PETUNIAS

Fringed. (Fimbriata.) A strain of beautifully fringed flowers. Colors rich and brilliant. Pkt. 20 cts.

Giant Ruffled. The flowers of this strain are ruffled and fringed, colors rich and gorgeous, with deep throats of various shades. Fine mixed. Pkt. 25 cts.

Giant of California. Choicest mixed seed saved from show flowers. Very large. Pkt. 25 cts.

DOUBLE GIANT FLOWERING PETUNIAS

While a fair per cent of Double Petunia seed will produce double flowers, some will not. The single ones, however, will be richly colored and finely marked. We consider this one of the finest mixtures of Double Petunias; composed of the best and largest flowered strains grown. **Choice Mixed.** Pkt. 35 cts.

PENTSTEMON

New Large Flowering. The numerous Gloxinia-shaped flowers are borne in long spikes from May until frost. Will bloom the first season if sown early in a hot-bed and planted out as soon as frosts are over. The colors are white, pink, rose and crimson, many being spotted and margined with a contrasting color. Hardy perennial. **Choice Mixed.** Pkt. 10 cts.



Large Flowering Pentstemon



**Phlox Drummondii
Grandiflora**

Few other plants produce more flowers or cover a longer blooming period. Height averages 1 foot, making them available for edgings. They are actually biennials, and will survive the winter if it is not too severe.

ANNUAL PINKS

Snow Queen. (Double White Japan.) One of the prettiest of white cut flowers. Pkt. 5 cts.

Heddewigii Flore Pleno Fireball. (Double Scarlet Japan.) Pink. Flowers brilliant scarlet. Pkt. 5 cts.

Heddewigii Flore Pleno. (Double Japan Pink.) Flowers large and double; many of them finely fringed: choice mixed. Pkt. 5 cts.

Chinensis fl. pl. (Double China Pink.) The colors are rich, and you hardly find two alike. Pkt. 5 cts.

Double Choice Mixed. Mixture of all the above double annual varieties. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

Single Choice Mixed. All single annual varieties. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.



Platycodon

PHLOX®

DRUMMONDI GRANDIFLORA

For a splendid mass of colors and constant display, this type is not excelled by any other annual. Blooms early, continuing until severe freezing. The seed may be planted in the open ground May 1st or in hot-

bed or house earlier, and afterwards transplanted to where wanted into rich ground, eight to ten inches apart each way. Hardy annuals; one foot.

Alba. Pure white; very large.

Coccinea. Rich, brilliant scarlet.

Isabellina. Pale primrose yellow.

Rosea. Rose colored; large white eye.

Splendens. Crimson with white eye.

Above varieties,—Each, Pkt. 10 cts.

Grandiflora Choice Mixed.

A choice mixture of all colors in the type. Pkt.

10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

DRUMMONDI NANA (Dwarf)

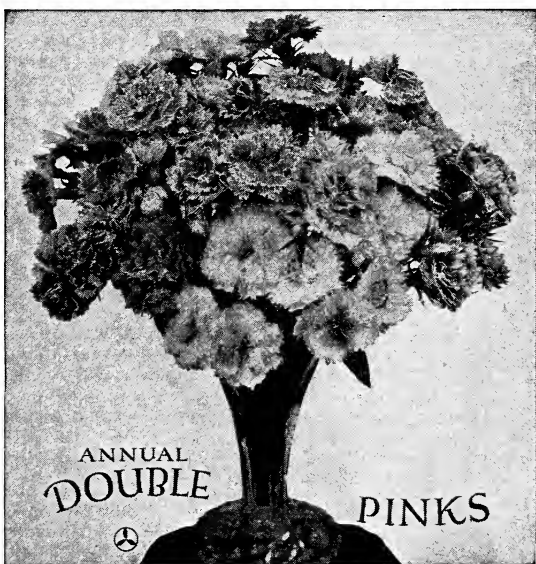
Grows about six inches high, splendid for pot culture or for ribbon lines and for massing. In choicest **Mixture.** Pkt. 10 cts.

STARRED AND FRINGED

The most interesting of the Phlox family, bearing pretty star-shaped and fringed flowers, rich in colors. **Choice Mixed.** Pkt. 10 cts.

PINKS® (Dianthus)

Few other plants produce more flowers or cover a longer blooming period. Height averages 1 foot, making them available for edgings. They are actually biennials, and will survive the winter if it is not too severe.



ANNUAL
DOUBLE

PINKS

PERENNIAL PINKS

Plumarius, fl. pl. Hardy perennial sweet scented garden Pinks. Double mixed. Pkt. 15 cts.

PERENNIAL PEA (Lathyrus Latifolius)

Known and sold as Everlasting Sweet Pea. Quite hardy and not particular as to soil. Splendid for covering rocks, stumps and walls.

White, Pink, Red, or Mixed. Pkt. 10 cts. each.

PLATYCODON (Balloon Flower)

The unopened buds resemble miniature balloons opening up as deep throated, $1\frac{1}{2}$ to 2 inch bells. Hardy perennial, 2 to 3 feet; prolific and long season of bloom. Seed sown in early spring will bloom in August.

Mixed Colors. (Blue, White.) Pkt. 10 cts.

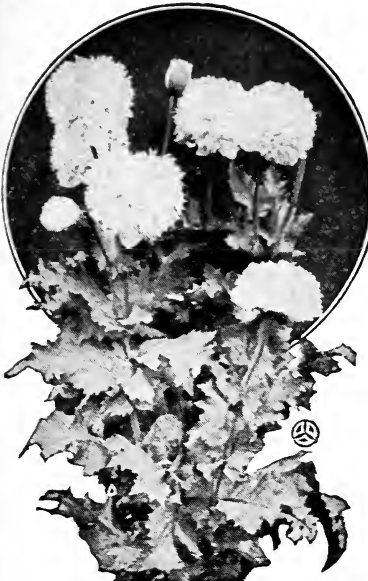
POPPY

Poppies are among the most interesting of the garden flowers with vivid colors and fern-like foliage. Annuals should be sown as early in spring as possible, in the location where they are to remain, as they do not transplant successfully. Seed should be just barely covered, although firmly pressed down. Thin out to 3 or 4 inches between plants; and take time to remove old flower stems.

ANNUAL KINDS
Pkts. 5 cts. each.
American Flag. Flowers extra large, double, snow-white, each petal bordered with scarlet.



Shirley Poppies



Double Carnation Flowered

Carnation Flowered. Brilliant, many petaled, finely fringed flowers of mixed colors.

Peony Flowered. Globular flowers of good size, resembling fully double Peonies. Mixed.

Tulip Poppy. The 3 inch flower resembles a Scarlet Gesneriana Tulip in color, with deep black spots at the base of each petal. 2 feet.

Mixed Double Annual Poppies.

Shirley Poppies. This type is perhaps the most beautiful of all; one sowing keeping the bed alight all summer. Although they are mostly single, many come semi-double, or with fluted margins. The colors range from white, thru various shades of pink, to scarlet and deepest crimson. **Mixed.** Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

PERENNIAL POPPIES. Price: Pkts. 10 cts. each.

These *Large Flowered* kinds average six inches across, and are imposing in spring, with their fiery bloom, on nodding stems three to four feet high. They do not bloom the first year from seed.

Bracteatum. Crimson, black spots in center.

Oriente. (Oriental Poppy.) Orange scarlet.

Large Flowered Mixed.

Small Flowered

Iceland. (Papaver Nudicaule.) Single, cup-shaped flowers two to three inches in diameter with ruffled petals; yellow, orange and white. Sown early in spring will bloom in June and continue until cold weather if not allowed to bear seed. **Mixed colors.**

PORTULACA "MOSS ROSE"

Trailing plants which love the sun, and nestle close to the warm, sandy loam of their choice. The numerous round, flat flowers set close, and brilliantly illumine the emerald of the foliage with vivid shades of red, yellow, pink and white. Half-hardy annual. **Double Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.
Single Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

RICINUS (CASTOR OIL PLANT)

Tender annual. Singly, it makes a perfect pyramid, thickly set with its enormous beautifully lobed leaves; or, a large group of them gives a fine tropical effect. Sow in hot-bed and transplant when three leaves have formed, or sow in ground where they are to grow.

Sanguineus. Tall, with reddish stalks. Large ornamental reddish-purple leaves.

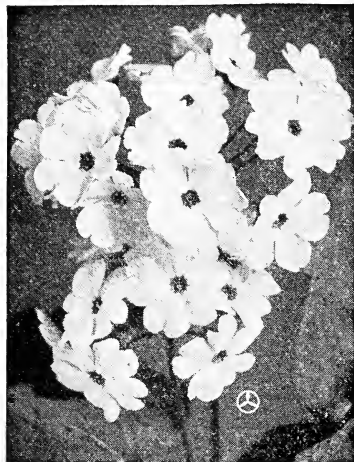
Zanzibarensis, Mixed. Robust strong grower, foliage green and red. Pkt. 10 cts., oz. 25 cts.



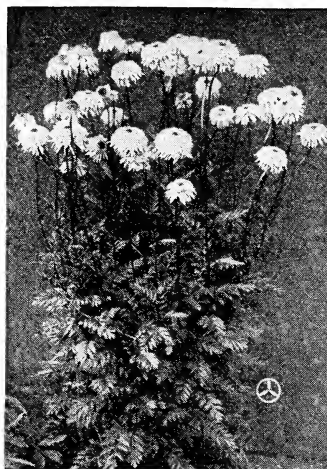
Oriental Poppy



Double Portulaca



Primrose Obconica



Double Pyrethrum



Salpiglossis

PRIMROSE (Primula)

Obconica Grandiflora Hybrida. For pot culture, also for the open border during summer. If sown early in spring, the seedlings will commence to bloom in May or June and continue throughout the year. **Mixed colors.** Pkt. 20 cts.

Chinese Fringed. One of the finest plants for winter and spring blooming in the house or conservatory; they do well in a cool room, in a north window where most other plants fail. Greenhouse perennials. **Mixed Colors.** Pkt. 25 cts.

PYRETHRUM ROSEUM HYBRIDUM

Showy, hardy perennials, blooming the first season if sown early. In color, white, rose, crimson and scarlet. The foliage is fine. 2 feet.

Double Mixed. Pkt. 25 cts. **Single Mixed.** Pkt. 10 cts.

SALPIGLOSSIS

The distinct colors are marbled and penciled on, many having the appearance of being sprinkled with gold dust. Bloom from August to October, on long stems making an ideal cutflower. Very easily grown. Half-hardy annual; 2 feet. **Emperor.** Choice mixed. Pkt. 10 cts.

Crimson. Pkt. 10 cts. **Faust.** Black.

Pkt. 10 cts. **Light Blue and Gold.**

Pkt. 10 cts. **Rose and Gold.** Pkt. 10

cts. **Violet.** Pkt. 10 cts. **Yellow.**

Pkt. 10 cts.

SALVIA (SCARLET SAGE)

This very popular plant is a tender perennial, but should be treated as an annual. Its beautiful flaming spikes of blossoms will add more to a border than any other plant, and where a brilliant scarlet is wanted it is unsurpassed.

America. Because of its uniform growth coupled with profuse and continuous bloom, this comparatively new variety is particularly valuable for extensive bedding or formal lines. Pkt. 20 cts.

Clara Bedman. (Bonfire.) It grows about two feet high and as many broad, and very compact. Its long spikes of fiery scarlet flowers stand up stiff and erect well above the foliage. Pkt. 10 cts.

King of the Carpets. A very dwarf free flowering type; splendid for beds and borders. If planted close, bed will look like a bright red carpet. Pkt. 20 cts.

Splendens. One of the most gorgeous of annuals, blooming readily throughout the summer and fall. The plants grow from one and one-half to three feet in height, inclined to branch freely towards the top, are completely covered with showy sprays of bright scarlet flowers, until cut down by frosts. Pkt. 10 cts., 1/8 oz. 35 cts.

Zurich. A dwarf variety, but with long full spikes of rich scarlet flowers. It is free blooming, commencing early and continuing with unabated brilliancy until late in the season. Pkt. 15 cts.



Scabiosa (See P. 51)
(Mourning Bride)





Schizanthus Wisetonensis

SCABIOSA ● (MOURNING BRIDE)

Handsome summer border plant producing its splendid flowers in greatest profusion from July until severe autumn frosts. Flowers are of compact, rounded shape, long stems, making them ideal cutflowers which keep in water a week. The colors are both strong and dainty, equally enjoyable and effective in bouquets or the garden. Hardy annual; 2 to 2½ feet.

Double Azure Fairy. Pkt. 10 cts.

Double Crimson. Pkt. 10 cts.

Double Golden Yellow. Pkt. 10 cts.

Double Rose. Pkt. 10 cts.

Double White. Pkt. 10 cts.

Double Mixed. Pkt. 10 cts.

SCHIZANTHUS ● (BUTTERFLY FLOWER)

Annuals, producing in a few weeks from seed a plant obscuring wealth of beautiful flowers of many colors, spotted, blotched and veined.

Hybridus Grandiflora. Choice mixed. Pkt. 5 cts.

Wisetonensis. One of the finest large-flowered sorts, colors ranging from pink with brown center to white with yellow center. Excellent for pot plants. Pkt. 15 cts.



Giant Perfection Stocks

STOCKS The "Gilly flower" is a half-hardy annual. The flowers in close-set, thick panicles on both main stems and side branches.

DOUBLE GIANT PERFECTION TEN WEEKS

This type is a perfected strain producing extremely large double flowers, about 10 weeks after being sown; grow about 18 inches high, in light, rich soil, each blooming plant a perfect bouquet of delightful fragrance.

Blue, Rose, Scarlet, White or Yellow. Pkt. 10 cts. each.

Double Giant Perfection Choice Mixed. All colors. Pkt. 10 cts.

Dwarf Double Ten Weeks Mixed. Only 12 to 15 inches high. Pkt. 10 cts.

CUT-AND-COME-AGAIN TEN WEEKS

An "everblooming" strain blooming in July from seed sown in March or April. Although earlier to start, their most perfect state is reached in Sept.-Oct.

Brilliant. Blood red.

Deep Rose. A very rich shade.

May Queen. Extra early; delicate lilac. **Princess Alice.** Very large; pure white.

"Cut-and-Come-Again" Stocks Mixed. This and all varieties, pkt. 10 cts.

SMILAX (*Myrsiphyllum Asparagoides*) A graceful tuberous rooted, tender perennial climber, none surpassing it for its glossy deep-green, most delicate foliage and small white flowers; fine for vases and baskets. Soak the seed 24 hours before sowing; 6 to 10 feet. Pkt. 10 cts.

**STOKESIA** (Stokes Aster)

A splendid perennial for garden culture, in beds or borders. Blooms first year from seed. 1½ to 2 feet.

Cyanea. Showy deep lavender blue, aster-like flowers, in broad clustered heads from June on. Pkt. 10 cts.

SUNFLOWER ● (Helianthus)

"Cut-and-Come-Again." (The Ever-Blooming Type.) The single flowers, 3 to 4 inches across are borne on long stems admirably adapted for vases. Choice colors in mixture. Pkt. 10 cts.

Double Chrysanthemum Flowered. Grows about six feet high and blooms profusely. The perfectly double flowers are bright yellow, from 3 to 6 inches in diameter. Pkt. 5 cts., oz. 25 cts.

Large Russian. A very tall growing double variety; 10 to 15 feet. The seed is used for poultry. Oz. 10 cts., ¼ lb. 15 cts., lb. 30 cts. By express 10 lbs. or more at 15 cts. per lb.

Purpureus. (New Red Sunflower.) The flowers come in various shades of red, and red margined with yellow, ranging from two to five inches in diameter. Plants grow branchily three to four feet high, and bloom freely. Pkt. 10 cts.



CULTURE. Locate planting where there will be uninterrupted sunlight, in as good soil as possible, thoroughly mixed with well rotted cow manure. Seed should be sown before the first of April if weather will permit, about six inches down in the trench, and covered with an inch of firmly pressed soil. Thinning out to 2 to 4 inches apart is the better policy, and a little soil may be drawn in to give greater depth to the roots. Vining support in the form of brush, chicken wire or taut strings should be supplied at the time of sowing. Water sufficiently, pick often to ensure continuance.

SUMMER FLOWERING **SPENCER SWEET PEAS**

The "Spencer" type of Sweet Peas, by its greatly increased size, its distinctive frills and waviness, and its general improvement in color depths and patterns, has practically usurped the field.

Austin Frederick. Flowers of immense size, a pleasing lavender shade, slightly darker at center.

Constance Hinton. A robust, large sized variety producing pure white flowers in fours and fives.

Dobbie's Cream. This is the best Cream Spencer.

Elfrida Pearson. A pleasing blush pea; white ground flushed with bronze pink.

Fiery Cross. The standard is fiery red or crimson, the fluted wings a rich cherry orange.

Hawlmarmk Pink. The wings are bright rose pink, the standards a bit lighter, further toned with salmon.

King White. Stems long, uniformly in fours; immense white petals of finest frilled type.

Margaret Atlee. A rich glowy pink on cream grounds, softly suffused with salmon.

Masterpiece. Lavender, one of the finest, in fours.

Mrs. Tom Jones. Bright blue.

Pink Pearl. An exquisite effect of soft pearl, gently flushed pink throughout; a profuse bloomer.

Wedgewood. A lovely, unique shade of Wedgewood blue, in much demand. A profuse bloomer.

Price of any of the above, Pkt. 10 cts., oz. 30 cts., ¼ lb. \$1.00.

SPENCER MIXT SWEET PEAS

All varieties and colors in a delightful mixture conceded to be the best result-getter of any Sweet Pea mixture on the market. Pkt. 10 cts., oz. 20 cts., ¼ lb. 55 cts., lb. \$1.75.

ECKFORD'S SWEET PEAS GRANDIFLORA STRAIN

This older strain, while not waved and crimped as the Spencers, are in many ways as fine, with blossoms often just as large. The mixture comprises all shades and colors in well balanced proportions.

Eckford's Grandiflora Mixed. Pkt. 5 cts., oz. 10 cts., ¼ lb. 35 cts., lb. \$1.25.

"EARLY FLOWERING" SPENCER SWEET PEAS

In bloom two to three weeks earlier than the Summer Spencers, flowering throughout a long season.

Early Aviator. A dazzling crimson scarlet.

Early Blue Bird. Light blue, practically self-colored.

Early Columbia. Salmon-rose with white wings.

Early Fire King. Fire red, intensified with cerise.

Early Harmony. A giant flower; clear lavender.

Early Hercules. Bright rose-pink on white ground.

Early Nightingale. A beautiful mauve-lavender.

Early Pink Beauty. Prevailing soft rose pink accentuated at margins and revealing the white under surface at center of both wings and standards.

Early Snowstorm. Best winter flowering white.

Early Zvolanek's Rose. One of the very best deep pinks.

ALL NAMED VARIETIES ABOVE—Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

"EARLY SUNRISE" MIXTURE

This is a wonderful blend of the named Early Flowering Spencers, displaying a wide range of colors and shades. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.



Sweet Williams

◎ SWEET WILLIAM

PERENNIAL

(*Dianthus Barbatus*)

Popular garden flower, showing a wonderful array of vivid colors in fancy patterns. Flowers are shaped, clustered and colored much like Phlox; the markings, however, being more sharply defined. Perfectly hardy, but sow the seed in ultimate location, or transplant when young; as matured plants move awkwardly.

Pink Beauty.

Scarlet Beauty.

Dark Crimson.

Double White.

Above—Pkt. 10 cts.

Mixed Single. Pkt.

5 cts.

Mixed Double. Pkt.

10 cts.



Verbenas

ANNUAL SWEET WILLIAM

Choice Mixed. Almost identical with the perennial varieties in form of flower, rich and dainty coloring and fragrance, but unlike the perennials which do not bloom until the following year, these are annuals, blooming the same year the seed is sown. Pkt. 5 cts.

THUNBERGIA

Beautiful, rapid growing rather shrubby climbers, with a plentiful supply of trumpet shaped flowers in various colors and markings; fine for vases, rustic work or greenhouse culture. Half-hardy annuals; five feet.

Fine Mixed. Pkt. 5 cts.

TAGETES (Pot Marigold)



Signata Pumila. A showy, dwarf, compact, little Marigold, fine for borders and edging beds. Rarely grows 12 inches high and has delicate fern-like foliage. Covered all summer with a wealth of golden-yellow flowers. Pkt. 10 cts.

VERBENA—Mammoth Flowered

A showy annual creeper, literally covered with large umbels of brilliant blossoms. For early blooms sow in boxes and transplant into rich soil fifteen inches apart. May be sown in April in the open and thinned.

Pink. Pkt. 10 cts.

Blue and Purple Shades.

Pkt. 10 cts.

Firefly. Pkt. 10 cts.

Scarlet. Pkt. 10 cts.

Lucifer. New, large, car-

White. Pkt. 10 cts.

dinal red. Pkt. 20 cts.

Mixed. Pkt. 10 cts., ¼ oz. 35 cts.

WALL FLOWER

Deliciously fragrant flowers in long, full spikes which are very free and pretty during the spring. They combine many shades of color; the orange, purple and chocolate predominating. Tender perennial, requiring winter protection in the north. 1½ feet.



Annual Mixed. Blooms first year. Pkt. 10 cts.

Double Mixed. Pkt. 15 cts. Single Mixed. Pkt. 10 cts.

ZINNIAS®

Few flowers are so easily grown from seed sown in the open ground or bloom so abundantly and continuously as this hardy annual. Marvelous improvements have been wrought in the newer strains. We recommend them for groups, beds, borders and summer hedges, where they will bloom quite freely, but are incomparably bright during the month of August. Sow seed in the open ground early in spring or start them in hot-bed or warm window and transplant when the ground is suitably warmed. Height 1½ to 2 feet.

NEW DOUBLE Dahlia Flowered ZINNIAS

This mammoth sized, unusual shaped and color perfected type has revolutionized the appearance of our annual gardens during the past two years. They very closely resemble the double decorative type Dahlias in form and in their robust growth. Plants get up to 3 feet in height, with perfect flowers often 6 inches wide by 3 and 4 inches in depth. These range widely as to color, even introducing depths and tones heretofore unknown to Zinnias.

Crimson Monarch. Immense flowers often 8 inches wide;

Dream. A beautiful shade not common to this class; deep lavender turning to mallow purple. Pkt. 25 cts.

Golden State. Bright yellow in the bud, deepening

with maturity to a rich orange shade. Pkt. 25 cts.

Old Rose. Fitly named for its color, which beautifies a large and perfect flower. Pkt. 25 cts.

Oriole. A superb variety in size and dahlia character; A warm suffusion of orange and gold. Pkt. 25 cts.

Scarlet Flame. Vividly descriptive. Pkt. 25 cts.

Any 5 pkts. of above, for \$1.00.

Dahlia Flowered Zinnias Mixed. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. \$1.00.

NEW GIANT ZINNIA

Picotee. The beautiful flowers are of a Giant type, each petal distinctly tipped with a darker shade as in Picotee Carnations. They come in a variety of colors, including orange, flesh, lemon, pink and cerise, each with the peculiar marking on tips of petals. We offer in mixture only, cannot supply separate colors. **Picotee Mixed.** Pkt. 20 cts.

GIANT DOUBLE FLOWERED ZINNIAS

These are not to be confused with the common or small flowered strains, as they are truly giant flowered. **Giant Flowered Crimson.** **Giant Flowered Purple.** **Giant Flowered Orange.** **Giant Flowered Scarlet.** **Giant Flowered Pink.** **Giant Flowered White.**

Above—Each, Pkt. 10 cts.

Giant Flowered Zinnias Mixed. Mixture of above and others. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.00.

ZEBRA ZINNIAS

All colors, striped and spotted with different shades. **Mixed.** Pkt. 10 cts.

DOUBLE POMPON ZINNIAS

Flowers small, double and of beautiful form; fine for bouquets. **Fine Mixed** colors. Pkt. 10 cts.

CURLED AND CRESTED ZINNIAS

The flowers are large, full and double, the petals being twisted, rendering them free from stiffness. A variety of splendid colors. **Mixed.** Pkt. 10 cts.



**Dahlia
Flowered
Zinnia**



Picotee Zinnia

S. & H. "COLOR RIOT" Wild Garden Mixture

"Color Riot" Annual Mixture. Contains a mixture of hundreds of free flowering annuals that will give amazing effect the first year. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

"Color Riot" Perennial Mixture. A splendid mixture of permanent flowers, all free flowering and very desirable. Pkt. 10 cts., oz. 35 cts.



PLANT DEPARTMENT

Page
55

THIS DEPARTMENT embraces the output of 45 large greenhouses, numerous up-to-date propagating frames and more than 25 acres of land. It embraces a great assortment of Summer Bedding Plants, Flowering House Plants, Decorative Plants, Vining Plants for boxes and baskets, Summer Flowering Bulbs, Tender Roses, Aquatic Plants and a splendid collection of Hardy Perennial Plants. In many things we have probably the largest and most complete stocks in the country, our entire line of production very complete.

PRICES. All prices listed under this department are priced for delivery by mail, postage prepaid—unless otherwise specified. Express shipments are not prepaid.

Shipment by Mail. To reduce weight and volume, all pot plants are shipped without pots, and with most of the dirt knocked off. Various kinds of plants cannot be safely mailed, and are specially excepted following their descriptions. Mail service is generally prompt and satisfactory for any distance if weight is not too great to allow sufficient packing for preservation of the stock.

Shipment by Express. The heavier plants are selected; nearly all the soil is retained, adequate packing material used and substantial cases or containers are furnished free—on deliveries by express. In many cases a special and lower price is quoted for express orders.

No Plants by Freight. The slowness and uncertainty of freight service make its use very impracticable and unsafe for all tender plants and perennials. If such stock is ordered shipped in this way, customer must assume entire risk of loss or damage.

We Guarantee Safe Arrival. Shipments of stock listed under Plant Department, by mail or express, are guaranteed to reach destination in good condition. We should be advised if delivery is not made within a reasonable time after notification is mailed from this office. Examine stock carefully upon arrival, and report promptly any items damaged or in poor condition, both to us and to the delivering Express company. After safe delivery in good condition we do not assume responsibility for future growth or failure.

PLANTING TABLE FOR CIRCULAR BEDS

At 6 inches apart, commence outside row 3 inches from edge of circle; if 12 inches apart, then 6 inches from edge, etc. It is important to make the outer rows compact, although the inner rows may be more openly spaced. The table below is for circular beds, but if square will require about the same number of plants. An oval bed may be compared to a diameter found by adding length to breadth and dividing by 2.

Diameter of bed.	Plants 6 in. apart.	Plants 12 in. apart.	Plants 18 in. apart.	Plants 24 in. apart.	Plants 30 in. apart.
3 feet	28	7			
4 "	48	12	6		
5 "	80	20	8		
6 "	112	28	12	7	
7 "	152	38	18	9	
8 "	200	50	24	12	
9 "	256	64	28	16	
10 "	320	80	36	20	13
11 "	380	95	42	24	16
12 "	452	113	50	28	18
13 "	528	132	59	33	22
14 "	612	153	68	39	25
15 "	704	176	78	44	28
16 "	804	201	89	50	32
17 "	904	226	100	57	36
18 "	1016	254	113	63	40
19 "	1132	283	126	71	46
20 "	1256	314	139	78	50

Formula for computing number of plants in each row of a circular bed: Radius (in inches) $\times 6 \frac{2}{3} \div$ Interval = plants. Each interior row requires 6 plants less than the next larger circle. Compute outer row first.

MAIL ORDER BARGAIN COLLECTIONS OF PLANTS AT HALF PRICE—OUR SELECTION OF VARIETIES

FOR 85c

We will send any one of the following plant collections, **post-paid**, thus giving about double the money's worth in every collection. Plants and bulbs used in filling these collections are not the cheapest varieties by any means. Many times we have a surplus of novelties and especially good varieties and these collections enable us to give our customers the benefit of our over-production.

Please Notice Conditions.

(1) Choice of varieties must be left to us, the purchaser simply mentioning the numbers of collections wanted.

(2) The prices of all collections are **NET**, except that we will send five collections for \$3.75.

These **Bargain Collections** can be offered cheap because they are assembled in large quantities at one time, at a minimum handling expense. Although given bargain prominence here at commencement of Plant section, this should not be considered as cheapening the dignity of any item regularly offered on succeeding pages.

- Set No. 1.. 8 Hardy Climbing Roses, in 8 varieties.
- Set No. 2.. 4 Wichuriana, 4 Hardy Climbing Roses.
- Set No. 3.. 8 Geraniums assorted.
- Set No. 4.. 8 Carnations assorted.
- Set No. 5.. 4 Fuchsias, 4 Begonias.
- Set No. 6.. 8 Begonias assorted.
- Set No. 7.. 7 Large Flowered Cannas, 7 varieties.
- Set No. 8.. 8 Chrysanthemums in 8 varieties.
- Set No. 9.. 8 Basket or Vase plants.
- Set No. 10.. 3 Tuberous Begonias, 2 Caladium, 6 Tuberose.
- Set No. 11.. 30 Gladiolus bulbs—mixed varieties.
- Set No. 12.. 8 Choice Herbaceous plants—all different.
- Set No. 13.. 4 Small Palms—best varieties.
- Set No. 14.. 5 Dahlias in 5 varieties.
- Set No. 15.. 6 Hardy Shrubs in 6 varieties.
- Set No. 16.. 6 Hardy Climbing Vines, 6 varieties.
- Set No. 17.. 5 Ferns in variety (Boston, etc.).
- Set No. 18.. 6 Fern-dish Ferns (including 1 Asp. Plumosus).
- Set No. 19.. 4 Lantanas, 2 Heliotropes, 2 Hibiscus.
- Set No. 20.. 4 Hardy Lilies, in 4 varieties.

DECORATIVE HOUSE PLANTS

AND LARGE CLASSES OF BEDDING PLANTS

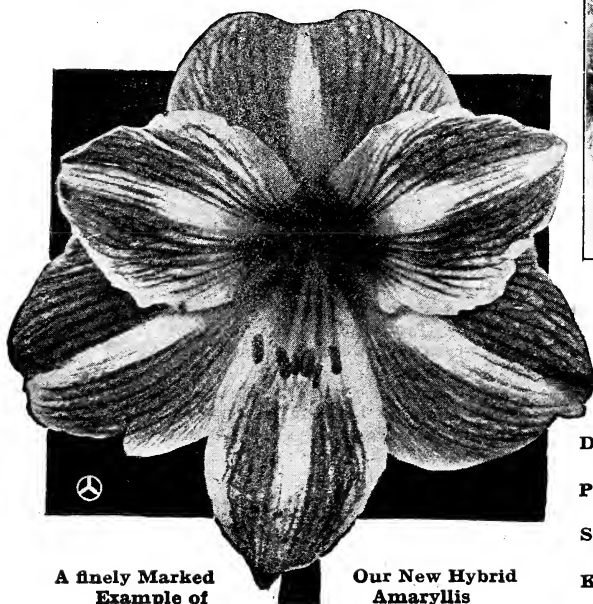
*SEE PAGES 86 and 89 FOR GENERAL BEDDING, BASKET and VASE PLANTS



Allamanda Hendersoni

ALLAMANDA

Hendersoni. A choice greenhouse plant with magnificent flower-bells three to four inches in diameter; the richest, purest, waxiest yellow imaginable, and sweetly fragrant. This fragrance is entirely distinct, and unforgettable. Plant is strong growing, with a decided climbing tendency which makes it valuable for training on conservatory pillars and interior trellises, 30 cts. each. By express, 4 inch pot plants, \$1.00.



**A finely Marked
Example of**

**Our New Hybrid
Amaryllis**

AMARYLLIS

New Hybrids. In this new selection of improved types, we offer a most delightful range of colors, both solid and in combination. They run through shades of red and rose to white; not offered separately, but in mixture. Bulbs 50 cts. each; \$5.00 per dozen.

ASPARAGUS

Brilliant green foliage indoor trailing plants used for bracketed pots, window boxes and hanging baskets.

Plumosus Nanus. The lace-like texture of its foliage outclasses Maiden Hair Fern for grace and daintiness; the long emerald sprays making a rich setting for cut flowers of all descriptions.

Sprengeri. Mostly used for hanging baskets where its long dense trails make a gleaming mass of green. **20 cts. each; \$2.00 per dozen.**

4 inch pot plants 35 cts.; \$3.50 per dozen.

AUCUBA

Japanica Punctata. (Gold Dust Plant.) A fine bold plant, especially attractive as large specimens, useful and graceful as palms for hall decoration and a splendid subject for the summer veranda. Leaves are broad; rich shiny green thickly spotted with gold. **3 inch pots—6 to 8 inches high. 35 cts. each; \$3.50 doz.**

By express:

4 inch pots—8 to 10 in. high. 60 cts. each; \$6.00 doz.

6 inch pots—15 to 18 in. high. \$1.50 each; \$15.00 doz.



NEW JAPANESE KURUME AZALEAS

Splendid substitutes for the Azalia Indica of pre-war days, providing excellent and welcome flowering pot plants for winter house decoration.

Christmas Cheer. Flowers semi-double; a cheerful, brilliant "Christmas"-red.

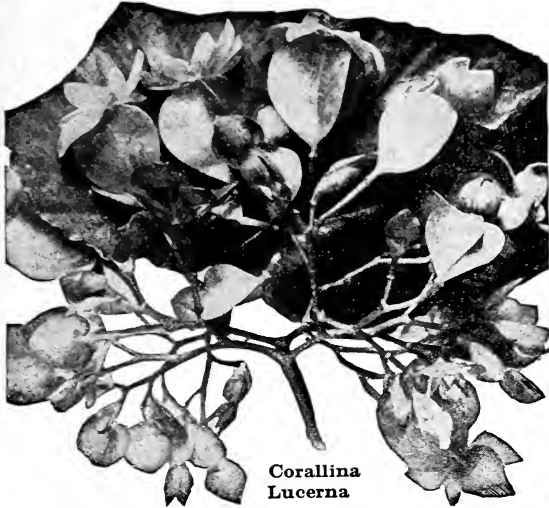
Daphne. Single flowers of silvery white, stained at the edge of petals with delicate mauve.

Pink Pearl. Extra large and full trusses, semi-double; a warm salmon-carmine, lighter at center.

Snow. Pure white.

Above varieties, from 5 inch pots, \$1.50 each.

Kurume Azaleas Mixed. Unnamed varieties, colors not separate. **6 inch pots, \$1.50 each by express.**



Corallina
Lucerna

FLOWERING BEGONIAS

Argentea Guttata. Purple bronze leaves, oblong in shape, with silvery markings; white flowers.

Chatelaine Supreme. A giant flowered pink, free branching and always in bloom. Grand pot plant that will thrive in the ordinary dwelling room. 25 cts. each.

Corallina Lucerna. A splendid upright, vigorous grower, with long leaves of spotted olive green, a bright wine-red beneath. Enormous trusses of perfect coral red flowers make this variety one of the showiest and most desirable kinds in cultivation. 30 cts.; \$3.00 per doz.

Gracilis Luminosa. A magnificent Semperflorens, with flowers large, perfect and plentiful, and never out of bloom. Color the brightest scarlet.

Manicata Aurea. Large, glossy leaves, beautifully blotched with creamy white, with carmine etchings in the mature leaves. Flowers delicate blush white on long stems, 30 cts. each; \$3.00 per dozen.



Argentea Guttata

Metallica. A shrubby free blooming variety, with triangular leaves; under side of leaf and stem hairy; the surface a lustrous metallic or bronze color, veined darker; flowers white. 25 cts. each; \$2.50 per dozen.

Prima Donna. A good bedding Begonia with large, free flowers of bright pink.

Ricinaefolia. (Star Begonia.) Leaves cut star-shaped, beautifully marked in shades of green. Flowers rose colored. 25 cts. each; \$2.50 per dozen.

Thurstoni. Under side of leaves is rich, purplish red, veinings prominent, upper side bronzy green, shaded with crimson and olive, peculiar glossy metallic luster over all. Flowers rosy white in large clusters. 25 cts. each; \$2.50 per dozen.

Warscewici. The old-fashioned "beef-steak" Begonia. Thick, rounded leaves of deep green, with red on reverse side. 25 cts. each; \$2.50 per dozen.

White Pearl. Large, waxy white flowers; practically everblooming; growth rapid and bushy.

Unless noted, 20 cts. each; \$2.00 per dozen; 8, our choice, for \$1.25.

REX BEGONIAS

The broad leaves, high coloring and exquisite markings of Rex Begonias make them invaluable as decorative plants for house culture. They make excellent plants for baskets and vases, if given plenty of moisture and not exposed to the full rays of the sun. We have our usual good stock and variety again this year.

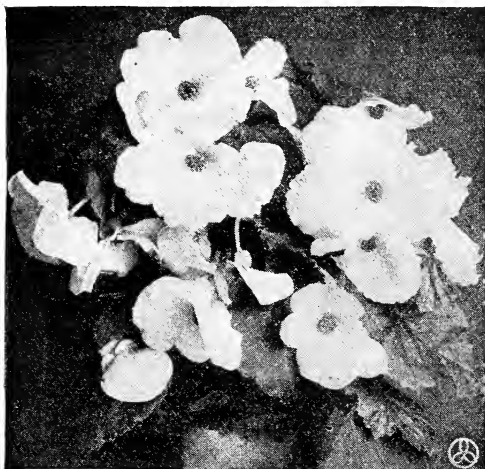
Mixed varieties, varied colorings, our choice, 25 cts. each; \$2.50 per dozen.



Metallica



TUBEROUS ROOTED BEGONIAS



This is indeed a most interesting section. The flowers vary considerably as to form and size, ranging from two to four and even six inches across, with some of the single ones perfectly smooth, while others are fluted or distinctly fringed. The colors are delightfully vivid and distinct.

When grown outside, the Tuberous Rooted Begonias should be taken up before cold weather, spread out to dry, and be packed away in boxes of dry sand and stored through winter in some cool place, yet not where frost can reach them. Some little time before planting outside in spring they should be potted and kept inside until well started. They delight in a partially shaded location in soil composed of leaf mold, sand and well rotted manure.

SINGLE FLOWERED. Separate colors, **white, pink, scarlet, crimson, salmon and yellow.** 25 cts. each; \$2.50 per dozen; \$18.00 per 100.

DOUBLE FLOWERED. Varieties in separate colors **white, pink, scarlet, crimson, salmon and yellow.** 30 cts. each; \$3.00 per dozen; \$22.00 per 100.



Variegated Leaf Bougainvillea

Bougainvillea
"Crimson Lake"



BOUGAINVILLEA

Bright festoons, wonderfully effective along the walls in conservatories and sun-rooms; or when trained on wire trellis forms, they can be kept down to dwarf, compact formation for use in tubs or large crocks.

Wm. K. Harris. A handsome foliage variety; leaves showing a sharply defined variegation of bright green and creamy white, in about equal proportions. Shrubby, and fine for tubs. The plentiful flowers are a light rose color. 3 inch pot plants, 35 cts. each. By express, 4 inch pot plants, 75 cts. each.

Crimson Lake. This is one of the most notable vining plant introductions of years. Its numerous clustered, crinkly, paper-like bells in their emerald setting, are an incomparably brilliant crimson-lake color. 2½ inch pot plants, 40 cts. each.

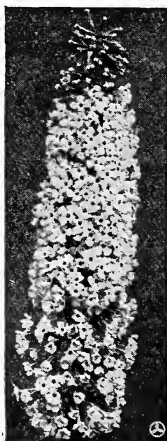
Glabra Sanderiana. Large bell-shaped flowers of lilac-rose borne profusely in terminal clusters all over the plant; blooms when quite small. 2½ inch pots 20 cts. each; \$2.00 per doz. 4 inch pots, by express, 60 cts. each; 5 inch pots, \$1.00 each.

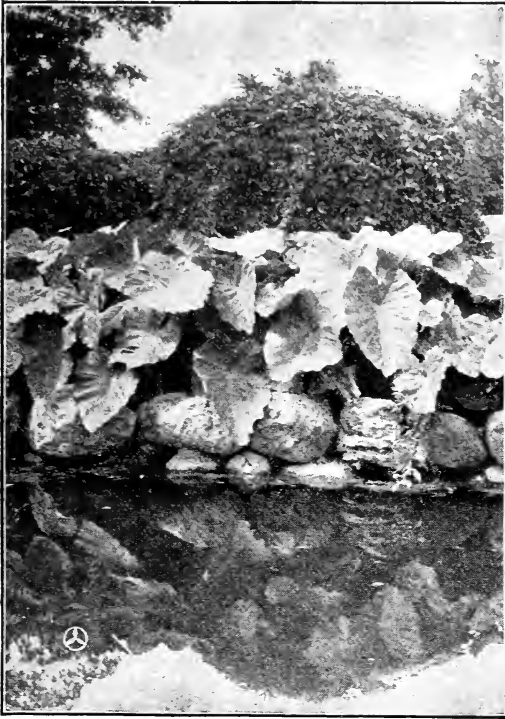
BUDDLEIA (Butterfly Bush)

Asiatica. A desirable winter-blooming greenhouse shrub which fills the air with fragrance and produces a vast amount of bloom during the season; white, in slender, compact racemes three to six inches long. 25 cts. each; \$2.50 per dozen.

Farquhari. A hardy type of rather dwarf, compact growth; with numerous medium sized lilac-purple flower spikes. Strong 2 year—65 cts. each; \$5.50 per 10. 1 year, mail size—30 cts. each; \$2.50 per 10.

Magnifica. The hardest for all sections when used outdoors as a permanent shrub. Flower spikes 10 inches in length by 3 in diameter are not unusual. Color deep violet-rose, with a pronounced orange center. Strong 2 year—50 cts. each; \$4.00 per 10. 1 year, mail size—20 cts.; \$1.80 per 10.





"Elephant's Ear" planted in Rockery

FANCY LEAVED CALADIUMS

A class of beautiful variegated foliage plants, excellent for window boxes, vases or single pot plants, succeeding equally well in a somewhat shady situation out of doors. Among all foliage plants they are undoubtedly the showiest, reveling in many soft colors and indescribable beauties of design. After becoming well established, they require liberal watering coupled with adequate drainage. The bulbs should be started into growth about the first of April and dried off in October and kept in a warm and dry place until spring again. 25 cts. each; \$2.50 per dozen, By express, \$20.00 per 100.



Fancy Leaved Caladiums

CALADIUM ESCULENTUM

(Elephant's Ear)

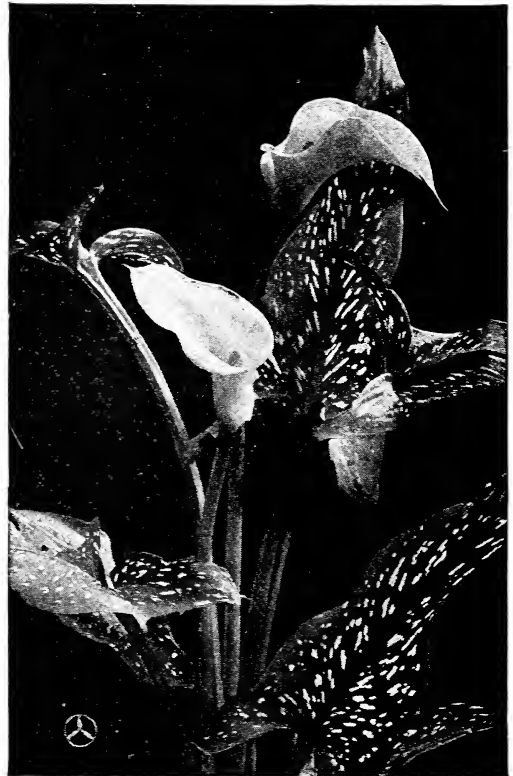
For obtaining tropical effects in lawn and garden planting this beautiful plant takes a prominent place. Stands six to seven feet high, with bright green leaves three to four feet long and two and one-half feet wide. Should have plenty of water and good rich soil. Is a splendid adornment for the banks of fountains and lily ponds, or any rockery work where plenty of moisture is available.

	Each	Dozen	Express
Extra large bulbs.....	35 cts.	\$3.50	\$3.00
First size bulbs.....	20 cts.	2.00	1.75
Second size bulbs.....	15 cts.	1.50	1.00

CALLAS

The White Calla is rarely used except for house bloom, but the hardier spotted-leaved variety, *Elliotiana*, is mainly used in the gardens for the beauty of its foliage as a border, and its delightful flowers for late summer cutting. The bulbs should be set out after danger of frost is past, and dug up again in the fall for drying off and winter storage.

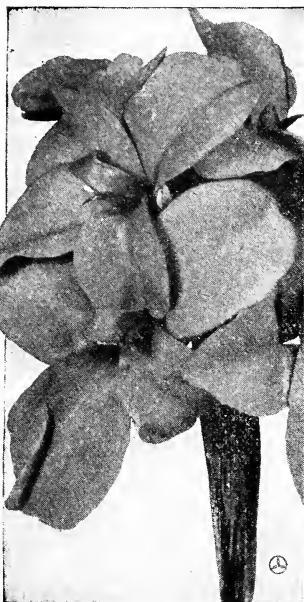
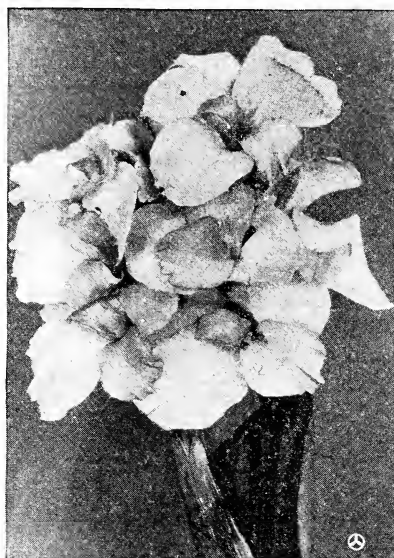
Ethiopica. This is the well known and ever popular White Calla Lily whose chaste, waxen beauty is typical of purity and refinement. There is nothing to take its place in decorations for church functions, and its presence in the home is ever an inspiration. 35 cts. each; \$3.50 per dozen.



Spotted Calla "Elliotiana"

Elliotiana. Leaves dark green with creamy white spots; flowers a richly lustrous golden yellow. 20 cts.; \$2.00 per dozen; \$15.00 per 100.

The Godfrey Everblooming Calla. (New.) Flowers as large as the largest and outbloom the others three to one; pure white. Plant dwarf and compact. 25 cts. each; \$2.50 per dozen.

**Mohawk****Victory**

CANNAS

**King Midas**

OF all summer bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. Their foliage is of noble proportions, making a full, compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged. See table below for guidance as to quantities of each.

Unless noted, all varieties in succeeding list have green leaves and belong to the well-known Dwarf French Canna class. The exceptions noted refer to those few having dark or "Bronze" foliage, and to those tall sorts known as giant "Orchid-flowered," or Italian Cannas.

PLANTING DIRECTIONS

Soil, etc. Cannas will grow in any kind of soil and most any location, but to obtain fullest development and reward, they should be given an open, sunny location and the soil enriched with well-decayed manure. Dig up about two feet deep, and at all times give plenty of water.

For bedding, Cannas should be planted no less than 18 inches apart each way; starting outer rows 9 inches inside margin of bed. Thus the planting radius of a 6 ft. circle for outside row is 27 inches. In circular beds, the tallest variety should occupy the center, the medium heights next, finishing with a dwarf kind for the outside row. By consulting our descriptions, varieties may be selected according to desired heights, which range from 2½ to 8 feet.

See planting formula and table on page 55.

SUGGESTED ARRANGEMENT FOR CIRCULAR CANNA BEDS

Diam.	Center	1st Row	2nd Row	3rd Row	4th Row	Total Plants
4 ft.	1	5	9			6
6 ft.	0	3				12
8 ft.	1	8	15			24
10 ft.	1	9	12	18		36
12 ft.	3	5	15	21		48
15 ft.	3	9	15	21	28	76

CANNA PRICES,—unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.

Apricot. (4'). Broadly compact trusses freely produced. Strong, rich apricot passing to silvery pink, with gold and coral center. One of the daintiest and most attractive. 30 cts. each; \$3.00 per dozen.

Beaute Poitevine. (3½'). Blood-shot petals of crimson-scarlet. One of the good, reliable red bedders.

Candelabra. (3-4'). Much branched stalks, with heavy trusses. Watermelon, faintly grained with orange and rose pink. 35 cts. each; \$3.50 per dozen.

City of Portland. (3½'). Warm rose pink, holding its tone through both hot and cool weather. The great, full-petaled trusses are borne very freely on heavy stalks and make a wonderful show throughout the season. 25 cts. each; \$2.50 per dozen.

Cleopatra. (4'). Dark purplish bronze, upright leaves. Medium petals in good sized trusses; slightly crimsoned cardinal red. 50 cts. each; \$5.00 per dozen.

Crimson Bedder. (3½'). Dazzling crimson-scarlet.

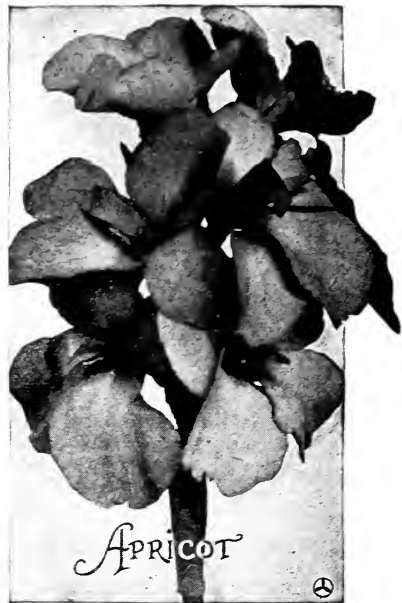
Dr. Robt. Bosch. (5'). Long stems, large heads; soft tango scarlet. 50 cts. each; \$5.00 per dozen.

Duke of Marlborough. (5'). Rich crimson maroon.

Dwarf Florence Vaughan. (3'). Dwarf, free flowering; red very distinctly "speckled" over deep yellow.

E. M. Byrne. (5'). Massive, protruding heads of extra large flowers; good bloomer. Dark cardinal red. 50 cts. each; \$5.00 per dozen.

Eureka. (4½'). Full, broad trusses; uniform, free and continuous bloom. Clean, ivory white. 35 cts. each; \$3.50 per dozen.



CANNAS (Continued)

Fairy Queen. (3'). A dwarf front-row Canna, especially valuable because pink; very bright, and productive. Brilliant pomgranate pink with creamy base (strongly apparent outside), the center spattered with gold and coral red. 30 cts. each; \$3.00 per dozen.

Fiery Cross (4'). Vivid crimsoned scarlet.

Florence Vaughan (4'). Speckled—red on yellow.

Frau Dr. Klien (5'). Immense trusses of broad flowers, glossy carmine-red. 40 cts. each; \$4.50 per doz.

Gaiety (5'). A thrilling display of large flowers; bright "Neyron Rose" pink. 30 cts. each; \$3.00 per dozen.

Hungaria (3½-4'). The first popular pink bedder; bloodshot orange with a prevalent golden mottling in the throat. 35 cts. each; \$3.50 per dozen.

King Humbert (4-4½'). The best bronze leaved variety, very distinct heart-shaped leaves shaded with purple madder brown. Immense orchid flowered trusses of velvety orange scarlet flecked with carmine, rose tinted at margin and base.

King Midas (5'). Rich, deep gamboge yellow, unadulterated, and remarkably permanent. Extra free bloom just nicely clearing the leaves, in bulky self-cleaning trusses. The best deep yellow to date. 50 cts. each; \$5.00 per doz.

Louisiana (6'). Deep orange scarlet.

Lyon Rouge (4'). Stocky growth; heavy, broad-petaled trusses; solid vermillion. 40 cts.; \$4.00 doz.

Mad. Crozy (3½'). Gilt edged, rosy scarlet.

Mary Thilow (3½'). A bronze-leaved counterpart of Mrs. A. Conard; peach pink. 50 cts. each; \$5.00 per dozen.

Meteor (4'). Very broad heads; crimson red. 30 cts. each; \$3.00 per dozen.

Mohawk (5'). Wavy leaves of violet bronze, well set up; full, clean flower spikes. Richly shadowed poppy red. 45 cts. each; \$4.50 per dozen.

Mrs. Alfred F. Conard (4'). Makes a charming, continuous display of silvered peach-pink. 30 cts. each; \$3.00 per dozen.

Mrs. Pierre S. Du Pont (4'). Lovely rose pink with silvered margin and deep coral throat, the petals large and prettily crimped. \$2.00 each.

The President (4'). The best green-leaved, red-flowered canna offered. The flowers are immense, round, firm; a cheery one-color pure scarlet. 35 cts. each; \$3.50 per dozen.

Venus (4'). Large oval petals exquisitely variegated, warm rose pink mottled near center, and edged with creamy white.

Victory (3'). A delightful, dainty dwarf type. Creamy ecru toned with shell pink and chamois; rounded florets with crimped edge, in full, compact, self-cleaned trusses. 30 cts. each; \$3.00 per dozen.

Vulcan (5'). Intense garnet red flowers on purplish stalks; the dark green leaves broadly banded. \$1.00 each; \$10.00 per dozen.

Wintzer's Colossal (4-5'). Extremely large orchid flowers, unbleaching vivid scarlet. 30 cts. each; \$3.00 per dozen.

Wyoming (7'). Very showy contrastive type; the foliage rich purplish bronze; the flowers bright orange slightly rimmed and flaked with rose.

Orange Bedder (4'). Bright orange suffused scarlet.

Queen Helen ("Yellow King Humbert"). (4-5'). Exact Humbert character, but the leaves are green and flowers rich golden yellow; beautifully dotted red. 35 cts. each; \$3.50 per dozen.

Radio. (4'). Large flowers of primrose tinted white, the general effect pure white. 60 cts. each; \$6.50 per dozen.

Richard Wallace (5'). The finest tall, light yellow; pure, unfading canary; very showy.

Rosea Gigantea (3½'). Giant flowers of carmine pink to soft rose. 30 cts. each; \$3.00 per dozen.

Souv. de Antoine Crozy (3½'). Brilliant crimson-scarlet conspicuously bordered golden yellow.

Statue of Liberty (6-7'). Torch-like, orange red trusses, rigidly upheld; one of the best extra tall red varieties. \$1.00 each; \$10.00 per dozen.

The Ambassador. (4'). Darkly veined bronze leaves; good heads of broad flowers, unblemished fiery scarlet ("Bronze leaved President"). \$1.00 each; \$10.00 per dozen.

CANNA PRICES,—unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.

CARNATIONS

Blooming plants valued for the inspiring spiciness of their perfume, the perfection of their flower form, fine cutting-lengths of stem, freedom, and long keeping

Carnation plants should be repotted whenever there is indication of their becoming pot-bound. Transplanted into the garden after all danger of frosts is over, and given at least 12 inches of space, with good soil and cultivation, these plants should furnish abundant bloom from July until late Fall or may be kept "pinched back" to retard bloom, potted up at approach of frost and brought inside for winter blooming.

Benora. A handsome variegated sort; white irregularly streaked with red.

Edna. A bright red of perfect form, and good size. 25 cts. each; \$2.50 per dozen.

Enchantress Supreme. A light salmon-pink which does not bleach and is not liable to split.

Laddie. A new variety of extreme size, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter; color a warm rosy salmon-pink. Very free flowering and satisfactory. 25 cts. each; \$2.50 per dozen.

Red Matchless. As good in red as its parent plant Matchless is in white. 25 cts. each; \$2.50 per dozen.

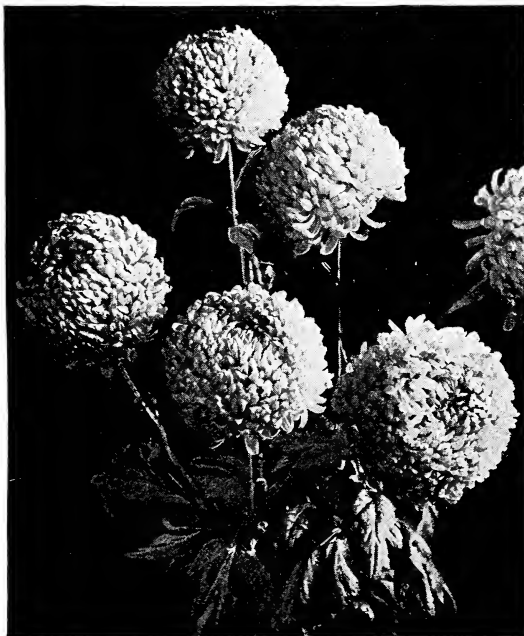
White Wonder. Earliest white, and freest blooming.

Unless noted, 20 cts.; \$1.75 dozen. By express, \$10.00 per 100.



CHRYSANTHEMUMS

The magnificent, large flowered, fancy sorts may be forced and developed under glass, to the highest state of perfection; but are not hardy enough to survive the rigors of winter out doors. The average householder, therefore, must depend upon his garden for the 'Mum show; and is thus limited to the Earlies, Mid-seasons, Pompons, etc., which will bloom freely during the fall, and before winter sets in. Buy young plants each season, like Geraniums; their first bloom is best.



Mrs. J. Leslie Davis

LARGE FLOWERED TYPES

(E) for Early; (M) for Mid-season; (L) for Late. Unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.

12 of our choice, assorted, by mail for \$1.25.

Celebration (M). For cutting, one of the best in its season; a high colored golden yellow.

Chieftain (M). Globular, incurved; rose-pink color.

Chrysolara (M). Yellow, midway in shade between Col. Appleton and Major Bonnaffon.

Col. D. Appleton (M). Large, deep golden yellow.

Edwin Seidewitz (L). A very pretty, well-formed pink variety in prime for Thanksgiving Day.

Glorious. (E) Similar to Chieftain in its full, globular form and expression, but earlier, and a truer pink with a touch of yellow at base of petals. 25 cts. each; \$2.50 per dozen.

Golden Chadwick. (L) One of the very best.

Golden Glow (M). Golden-yellow of velvety finish.

Golden Mistletoe (L). A free-blooming, late ball shaped flower of good size; rich, golden yellow.

Indian Summer (M). A beautiful light bronze of the Chadwick strain. 25 cts. each; \$2.50 per dozen.

Louis Boehmer (M). A fine example of the novelty "Ostrich Plume" type; silver tipped rose pink. 25 cts. each; \$2.50 per dozen.

Major Bonnaffon (L). The yellow for all purposes.

Marigold (E). Of exceptional size and bright yellow color; choice blooms often forced to 9 in. diameter.

Mrs. J. Leslie Davis. (L) Popularly called "Pink Turner," fully

equalling that wonderful exhibition type; color bright even pink. 25 cts. each; \$2.50 per dozen.

Oconto (M). A beautiful white Japanese type, of moderate size but perfect ball shape; quite hardy.

Richmond (M). A golden yellow; noticeable for its long season, perfect fullness and silky finish.

Roman Gold. Incurved; dull, old gold.

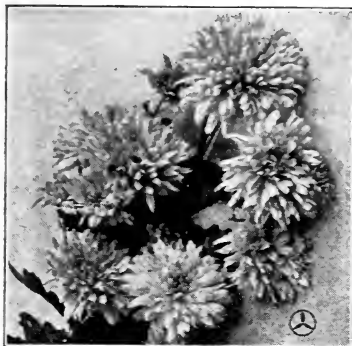
Rose Perfection. (M) Large, perfect, crisp, and long-keeping; an even shade of bright rose. 25 cts. each; \$2.50 per dozen.

Sun Glow (E). Bright yellow flowers of Bonnaffon type, very perfect in form.

White Chieftain (M). A perfect ball; one of the most dependable for late October bloom.



Bright Eyes



Boston Bronze



Victory

POMPON 'MUMS

The flowers run from $\frac{1}{2}$ inch to 2 inches in diameter, small petaled, very compact and formal "buttons"; or variably larger with longer petals, and looser; usually in rather close clusters so that one cut spray is a bouquet in itself. While not all varieties are entirely hardy, their inexpensiveness makes a liberal planting worth while even for but one fall show. As pot-plants, the Pompons are very satisfactory and furnish some of the daintiest table decorations of the fall and winter season.

A. Barham. Rather large compact flowers, blood-orange and bronze, the densely incurving center showing the bronze alone.

Acto. Perfectly formed, full-quilled flowers about 2 inches in diameter; bright rose with lighter reverse.

Ashbury. Lilaceous pink; showy and dependable.

Bright Eyes. Until finally unfolded, the incurving central petals show their reverse in strong orange-apricot, making a decided contrast against the bluish white of outer layers.

Brune Poitevine. Large informal flowers, dull mahogany red, the under surface and curling tips bronze gold.

Button Rose. A dainty pot plant; deep rose color.

Champagne. Large flowered; vinous red.

Christmas Gold. Profusely blooming, normal size, perfect buttons, bright golden yellow. Fine pot plant.

Donald. Light pink button.

Eden. Good sized, lilac rose with dense gold tipped center.

Excelsior. Bright orange yellow; very free.

Frank Wilcox Jr. Dwarf; tiny flowers of orange bronze.

Golden Harvest. Medium buttons, attractive, popular shade; deep, golden yellow touched with bronze.

Julie Lagraverre. Late; best deep red.

La Somme. Blush pink with protruding yellow center.

Little Bob. A free, small button; brownish red.

Little Pet. Small, bright rosy-crimson.

Little Tot. Pale rose pink. Flower sprays remarkably full and attractive, because tip and side branches bloom simultaneously.

Mrs. Beu (Syn. Frank Wilcox). Dull gold tinged with red, in prime for Thanksgiving.

Niza. A very early, delicate pink; medium sized.

Snowdrop. Dwarf, bushy, free flowering, October bloom. Little pure white buttons.

Winnetka. Large flowered; creamy white.

Wolverine. Early, large, yellow flowers.

Wm. Sobey. Tall; flattish flowers, canary yellow.

20 cts.; \$2.00 per doz. By express, \$10.00 per 100.

ANEMONE 'MUMS

The Anemones are distinct garden kinds and very useful when cut in sprays for floral decoration. Plants grow 2 to 3 feet; and bloom extravagantly with clus-

tered flowers averaging 3 to 3½ inches wide. The central cushion or disc of dense, short quills, rests on one or more layers of usually flat ray florets.

Alice Howell. Orange yellow; early and continuous.

Emma. Tender pink grading outward to flesh pink, the whole flower illuminated by its center of yellow.

Eugene Langualet. Rich coppery bronze.

Garza. A perfect type; of medium size, disc compact, rays broad. Purest white, with yellow center.

Maple Leaf. All the changing shades of red and yellow which autumn gives the Silver Maple.

Sunshine. Crowded sprays of intense yellow.

The Belle. Purest white, both disc and rays.

Yellow Garza. Clear bright yellow of the Garza type. 20 cts.; \$2.00 per doz. By express, \$10.00 per 100.

THE "CAP" 'MUMS

A charming type particularly valuable as blooming pot plants; dwarf, full-branched and extremely free blooming; with firm, compact pompon flowers.

Butler's Caprice. Deep pink.

Lilac Caprice. Bright, clear lilac.

Purple Caprice. A rich, conspicuous shade.

20 cts. each; \$2.00 per dozen.

SINGLE 'MUMS

A very useful, beautiful and satisfactory class.

Ceddie Mason. Velvety bright red.

Gipsy. Yellow center, surrounded by a triple row of salmon petals. 20 cts. each; \$2.00 per dozen.

Hilda Wells. Beautiful Tuscan red, shaded yellow at base of petals; one of the richest colors.

Mrs. E. M. Horne. Flat flowers in good sized sprays; light bronzed yellow, shaded with old gold.

Priscilla. Tall, sturdy grower, strong stemmed, free blooming; flowers very clear, light rose pink.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.

HARDY GARDEN 'MUMS

Dependable varieties which are known to resist frost and winterkill, a credit to any garden.

Autumn Glow. Typical fall-leaf tints of varied combination, in medium sized flowers.

Boston Bronze. A splendid satiny light bronze cut flower, extra large and full. 25 cts. each; \$2.50 per dozen.

Glory of Seven Oaks. ("Everblooming Hardy 'Mum")

Brilliant clear yellow. Earliest and longest season of any field variety; popular for any use.

Normandie. Variable bluish pink and white.

Old Homestead. Good heads of bright rose pink.

Red Indian. Crushed-strawberry red over copper.

Victory. Very floriferous; snow white.

Unless noted, 20 cts. each; \$2.00 per dozen. By express, \$10.00 per 100.

COLEUS

Broad-leaved, bushy foliage plants which are unmatched for brilliancy and unique arrangement of colors. Some of the fancier sorts are painted in designs as indescribable as the traceries of frost. The more solid colors are in most general use for large bedding schemes, Cecil Brown for its fine trailing habit, and various of the fancy patterned sorts are largely utilized in box and vase work.

Beauty of Auburn. Numerous rather small leaves with dark green outer scallops; the color dominantly a purplish maroon, lit up by carmine veins and rays of white at base.

Beckwith's Gem. The center is dark velvety maroon, bordered fiery red, the edge green, changing to creamy yellow at the point of the leaf. Most popular dark kind.

Cecil Brown. (Trailing Queen.) One of the most attractive for close bedding, boxes and hanging baskets ever introduced. Rather small scalloped leaves of dark green, evenly checked with curving maroon lines; the wedge-shaped center gay with magenta and cream.

Crescent. Beautiful pointed leaves edged Nile green, but mainly a velvety red-maroon with a center wedge of crimson pink.

Glory of Autumn. Most vivid autumnal colorings in great variety on every plant, each leaf defined by a heavy beaded border of applegreen.

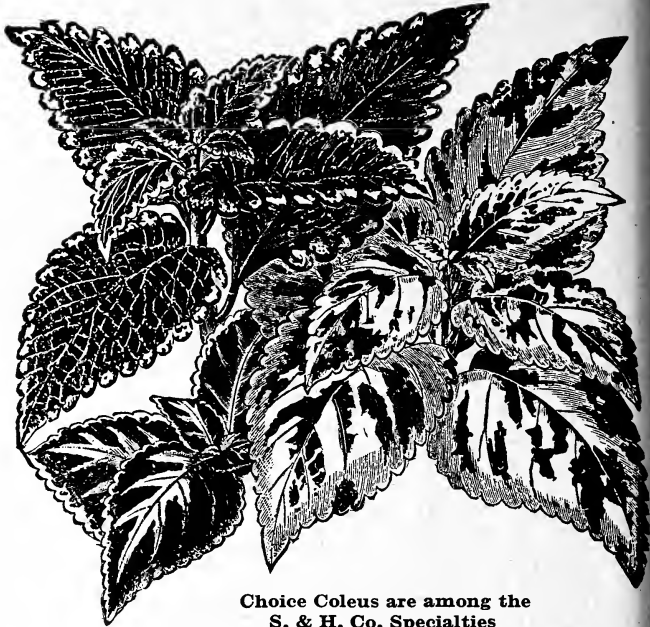
Golden Crown. Brightest yellow for bedding.

Her Majesty. Rich, warm red-brown without a blemish, confined within a beaded edge of gold.

Hollywood. (Novelty). Clustered small, crinkled leaves defined by yellowish green scallops. The surface a distinctly threaded tapestry; warm, and richly patterned in its shades of red and moldy bronze, carmine and madder rose. 25 cts. each; \$2.50 per dozen.

Princess. Broad, velvety leaves of purple madder brown, with beaded green edge and magenta midrib. 20 cts. each; \$2.00 per dozen.

Queen of the West. A center wedge of creamy white bordered green; the whole margined yellow and streaked carmine and maroon.



Choice Coleus are among the
S. & H. Co. Specialties

Sensation. Large leaf; velvety wine-maroon, streaked and veined carmine. One of the best dark varieties. 20 cts. each; \$2.00 per dozen.

Verschaffelti. Rich velvety crimson.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.

COTONEASTER

A desirable class of hardy shrubs valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. The variety *Horizontalis* is a splendid semi-trailing type, used with striking effect to top a garden wall, or among rockery stones. Being difficult to transplant in the average shrub size, we are growing them in pots to send out in a thrifty young stage, for greater security. Plant them in any good well drained soil, avoiding shade or moist situations.

Applanata. Of shrubby growth to 6 feet, with slender spreading and arching branches. Leaves half to one inch long, usually elliptic. The tiny flowers appear in June, followed in Aug.-Sept. by small clusters of bright red fruits about a quarter inch thick.

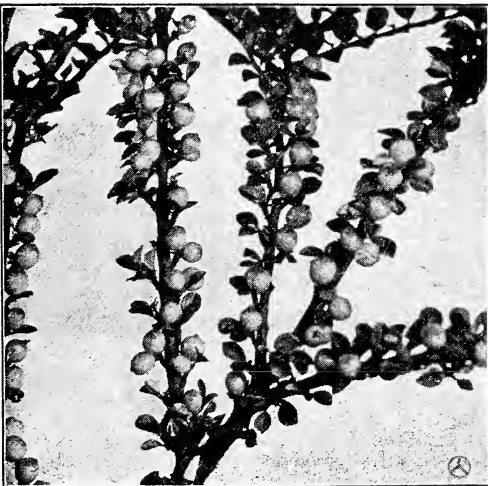
Divaricata. Growth upright to 6 feet; leaves deciduous, broadly oval, lustrous above, turning to crimson. Inconspicuous pink flowers; fruits $\frac{1}{2}$ inch long, turning to bright red in Sept.

Horizontalis. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits, deep into winter.

Simonsii. This has attractive inch long foliage, and an upright, branchy growth to 4 feet. The earliest fruiting, its berries bright red in mid-summer; its leaves crimsoning for fall.

4 inch pot plants, \$1.00 each; \$9.00 per 10. By express 75 cts. each; \$7.00 per 10.

For field grown plants, see under "SHRUBS."



Fruits of Cotoneaster Horizontalis



DAHLIAS

Page
65

Spring is beautified by the Peony, summer would seem barren without the Rose; in like manner we have come to expect of autumn—the Dahlia. From the great number of more or less distinct varieties which cumber the Dahlia catalogs, we are trying to keep our lists down to a reasonable selection from the established varieties we know, and the best of the new introductions.

CULTURE, Etc. Dahlias are not particular as to the soil or location. Although maximum growth and bloom reward the full sun, some of the stronger sorts develop most perfect specimens in partial shade; and localities with a moist atmosphere or dewy nights are apt to give better results than a drier air. Frequent cultivation prior to their blooming season is absolutely essential to success. Time for planting varies according to climate, but is generally safe after all danger of late frosts is past. Tubers should be planted about 6 inches deep, laid flat, eyes or sprout up. Although good, lively tubers are apt to produce more stalks, started plants give practically an equal amount of bloom. **We send out tubers (root divisions) until supply is exhausted, after which orders are filled with started plants at the same price.**

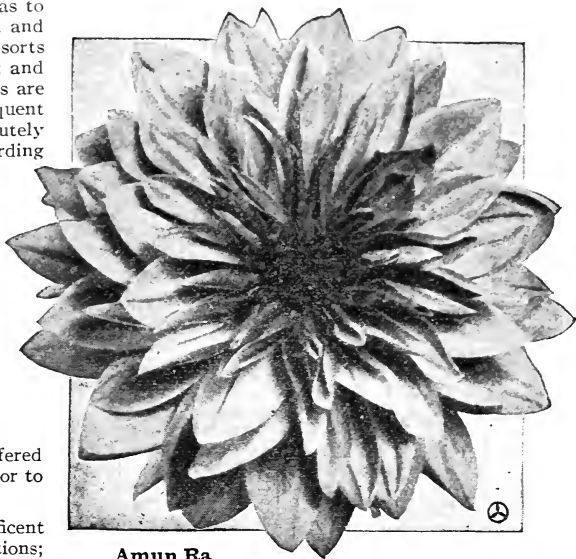
NEW and RARE VARIETIES of SPECIAL MERIT

Please Note that some of these novelties are offered only in started "plants," to be distributed just prior to planting time, or about June 1st.

Ambassador. (*Hybrid Cactus*) A magnificent flower of noble proportions; soft yellow at center, with shadings of salmon, amber and pink creating a rich blend which deepens toward the tips. Plants only, \$2.00 each.

Amun Ra. A giant flowered, uniformly perfect formed *Decorative*, on extra long, upright stems; a gorgeous, long keeping cut-flower. Soft melon pink, most of upper surface a shining gold, the large bronze center bristling with a fringe of folded petals in oriental red; a rich contrasty effect. Plants only, \$1.00 each.

Autumn Glow. (*Peony Flowered*) Medium sized, semi-double, profusely blooming on long stems. Brilliant canary yellow surrounding an orange cushion, the outer two-thirds flaked and overlaid a velvety damask red. \$1.00 each.



Amun Ra

Dakota. (*Decorative*) One of Judge Marean's introductions, of fine, large exhibition type; deep coral red with coppery suffusion. Plants only, \$1.50 each.

Doctor Tevis. (*Decorative*) A magnificent exhibition type, liberal and large sized. Soft salmon-rose suffused with old gold, shading to a center of golden apricot. \$1.00 each.

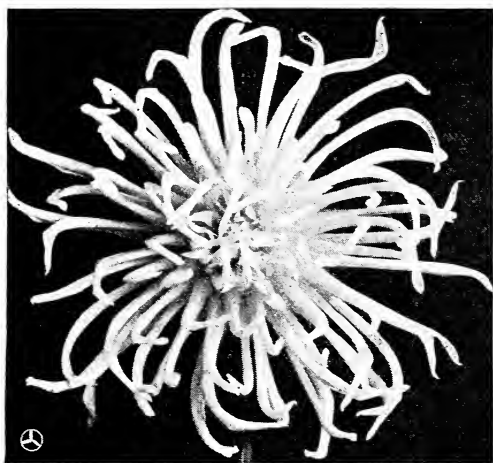
Fire King. (*Show*) The short, rather flat petals are of the decorative type but so numerous and the entire flower so thick and compact, we assign it to the show class. The color is a sumptuous, velvety, ruby red; with a broad button center either darker, or rich with the effect of alternating bronze and garnet tips. 60 cts.; \$6.00 per doz.



Doctor Tevis



Fire King



George Schofield



George Walters

DAHLIA NOVELTIES (Continued)

F. W. Fellowes. (*Cactus*) One of the best examples of that thin, long-petaled type so delightful in mixed bouquets, in color an intense coral red with deeper suffusion at center. \$1.00 each.

George Schofield. (*English Cactus*) Medium sized flowers of exquisite form; long, tubular, incurving, twisting petals. Color a delicate blending of apricot and yellow, reducing to white at the tips. \$1.00 each.

George Walters. (*Hybrid Cactus*) A tall-growing, showy, impressive sort that always seems to focus attention. Its very large, full but loosely constructed flowers are yellow overlaid with apricot and shrimp pink; and shaded—particularly at center—with stone red or carmine. 75 cts. each; \$7.50 per dozen.

Gladys Sherwood. (*Hybrid Cactus*.) Extraordinary size in breadth and thickness; broad based, but tube tipped.

Unblemished; glistening white. Plants, \$1.50 each.

Gloriana. (*Decorative*) Pure old gold intensified by a reddish glow in the center. Extreme size of flower and length of leafless stem. A brilliant garden type as well as vase flower. \$1 ea.

Insulinde.

(*Hybrid Decorative*)

Color and flower shape ordinarily fix a Dahlia's status; but aside from real class in these respects, Insulinde shows a cut-flower advantage almost unknown to the species. Its 7 to 8 inch flowers are set firmly on their

long stems as horizontally as Zinnias or Chrysanthemums. Its long, wide petals are deeply undulating, the usually close center upstanding like and remindful of the Calycanthus flower. Color, golden ochre with salmon-red suffusion deepening towards center. \$1.00 each; \$10.00 per doz. (Illustration at right is Mr. C. H. Dresselhuis.)

Jean Chazot. (or "Gay Paree"). (*Hybrid Cactus*.) Of the full, perfect, pointed formation; extreme productivity; and long season associated with Lonsdale, this new variety makes a sprightly, cheerful display of golden bronze tinged with nasturtium red. \$1.00 each.

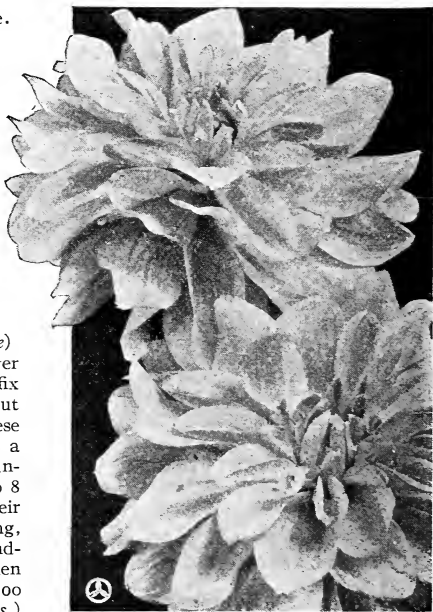
Kittie Dunlop. (*Decorative*) A brilliant, shapely, continuous sort with excellent cutting stems; the large flowers a deep carmine-rose with a distinguishing but indescribable suffusion. \$1.00 each.

Millionaire. (*Decorative*) One of the largest dahlias grown, a grand type for exhibition to your friends; delicate lavender pink. Plants, \$1.50 each.

Mr. C. H. Dresselhuis. (*Decorative*) Medium sized, dainty flowers borne in great profusion on excellent cutting stems; a lovely shade of tender rose, with the tips noticeably whitened. \$1.50 each.



Insulinde





Mrs. I. de Ver Warner

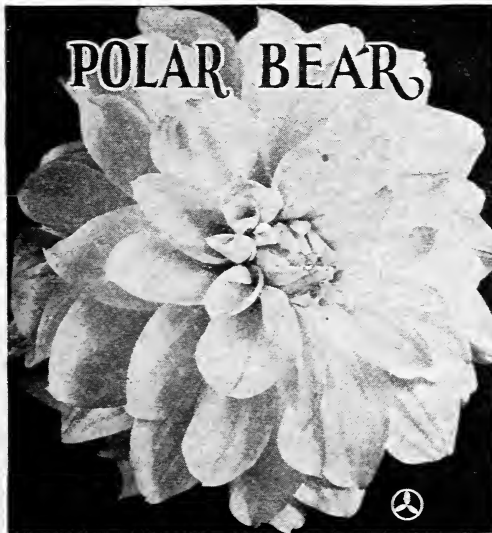
DAHLIA NOVELTIES—Concluded**Mrs. I. de Ver Warner.** (*Decorative*)

Rarely imperfect in form, of large size and great abundance, usually displayed in profile. Its color is orchid-like and very popular, a deep mauve-pink. Early, continuous and substantial, this variety proves to be one of the finest of its class, for all purposes. \$1.00 ea.

Mrs. John T. Scheepers.

(*Decorative*) Immense flowers independently displayed above the foliage; canary yellow at center, graduating into a delicate suffusion with pink in the outer petals. Plants only, \$2.00 each.

Patrick O'Mara. (*Decorative*) Holds a gold medal of the American Dahlia Society. The numerous flowers are large, perfect in form, well supported on long stiff stems. Rich chrome yellow with salmon red suffusion. 75 cts. each.



Polar Bear. (*Decorative*) Purest white, the waxy flowers of great size and perfect form borne very freely on good long stems; long lasting quality, either on the plant or in water. We call this the finest white Dahlia for practical cutting, we have ever offered. 75 cts. each; \$7.50 per dozen.

Rosa Nell. (*Decorative*) An attractive flower, holding its perfect form and brilliant rose color to end of season. It is a noticeable variety among others, perhaps because its particular color shade is rare, and needed. \$1.00 each.

GENERAL COLLECTION OF CACTUS DAHLIAS

Characterized by long, narrow, pointed, tubular and twisted petals of graded lengths, giving the layered flowers a very striking and attractive appearance; various new hybrids introducing new phases.

Unless noted, 30 cts. each; \$3.00 per dozen. By express, \$20.00 per 100.



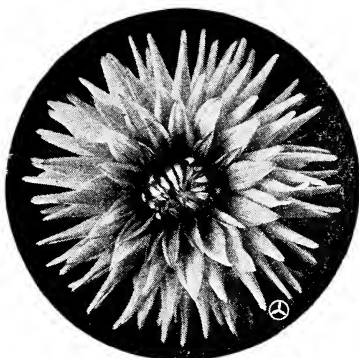
Attraction

Arthur Twitchett. A deep flower of many incurving petals, free-blooming and long-stemmed. White except for a faint pink flush when first opening. 75 cts. each.

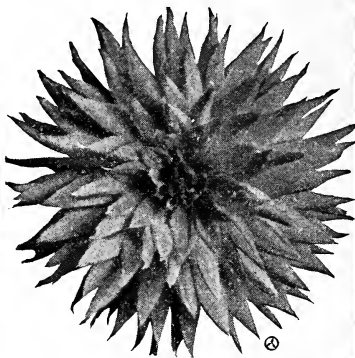
Attraction. (*Hybrid Cactus*) Entirely distinct. Immense, formal flowers with broad petals coming abruptly to a point, color a beautiful lilac-mauve. Stems are very heavy, and the flowers held rigidly upright. Although of delicate color, this is one of the most striking varieties we grow. 60 cts. each; \$6.50 per dozen.

Betty Austin. Of perfect form even to the end; very free and continuous, the long slim stems holding their burdens erect. Rich rosy carmine, with rose reflex, yellow at base and tips; distinct and showy. 75 cts. each.

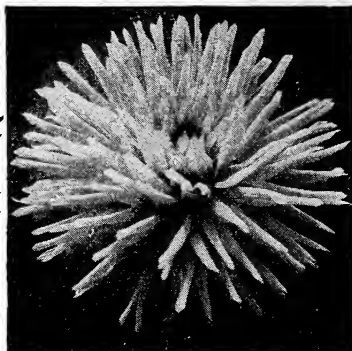
California Enchantress. Very large size and good substance, on wiry rigid stems; soft delicate pink. \$1.50 each.



Countess of Lonsdale



Mrs. Henry R. Wirth



Mlle. Marie Doucet

CACTUS DAHLIAS—Continued

California Beauty.

Exceptionally free-blooming, and in every light a desirable cut flower. Its color is burnished copper, subdued by amber and warmed by a hint of coral in its shadowed depths. 75 cts. each.

Cigarette.

A superb variegated sort, borne freely on good stems for cutting. The long petals are inclined to roll, the perfect type being white with a brilliant tip of solferino-red,—suggesting its name. Although varying widely in color distribution every phase is a delightful novelty. 75 cts. each; \$7.50 per dozen.

Countess of Lonsdale. An old and very popular variety. Longest season and freest bloom of any Cactus type; flowers very large, complete and perfect. Color exquisite blending of amber and salmon-pink.

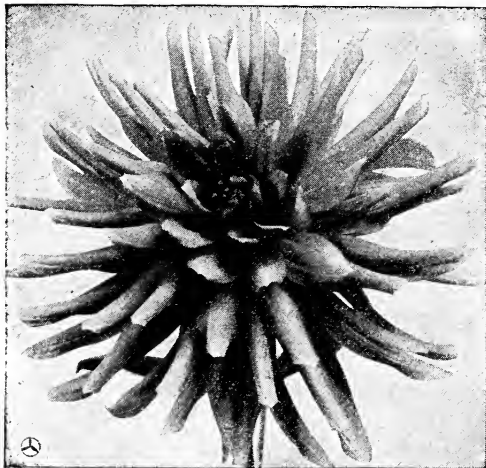
Crystal. Long, twisted, incurved, tubular petals of silvery pink graduating to ivory white at center; of good form and large size. 50 cts. each.

Else. A charming combination of delicate colors; buttercup yellow at base, gradually passing to amber, finishing with a tip of Tyrian rose.

Etendard de Lyon.

Beautiful flowers about 6 inches across, the broad fluted petals recurring to a 4 inch depth. The color is distinctly rich and lustrous, varying according to shadows, from carmine-rose to royal purple. 60 cts. each.

Galathea. Broad-based petals in very formal arrangement; a pleasing shade of soft pink. 50 cts.



California Beauty

Helen Durnbaugh.

(Hybrid Cactus) At a distance seems to be a good sized, well-set white. Close up, however, an unsuspected daintiness and charm is apparent when the flattened petals of graduated lengths show their fringing tips; and the white is softened by a pervading blush intensifying to warm rose at center. 75 cts.

Hoffnung. Loose cactus type of varying fullness, its coloring a delightful "peaches and cream" effect. Salmony old rose illuminated by a golden suffusion in the center, each petal lightly tipped with same. 50 cts. each; \$5.00 per dozen.

Kalif. Impressive, evenly disposed rays, broad at base with long, tubular quills; the center a compact tuft. Vivid turkey red. 50 cts. each.

Lawine. White, with a suggestion of blush.

Mlle. Marie Doucet. Perfect full, tubular cactus, outside, a charming mauve; center white.

Mrs. Henry R. Wirth. Of moderate growth but bushy, with an early and continuous out-pouring of medium sized, perfect flowers; one of the brightest, evenest reds listed—a pure, glossy cardinal. 75 cts. ea.

Pierrot.

A fancy variety with long, narrow, tubular petals of deep amber with distinct white tips. Even without the white tip, its self color and shape are very pleasing. 75 cts. each.

Pink Pearl. Lilac pink with lighter tips and aureole; button center of deep rose.

Red Cross.

Extremely robust in growth, holding its numerous immense flower heads upright, on long firm stems. The petals are formally arranged, but still showing just enough of the peony-type fluffiness. The delightful color combination is old gold, flushed and capriciously streaked with a soft red. 60 cts. each; \$6.50 per dozen.

Rheingau. Brilliant scarlet flowers about five inches wide. 35 cts. each; \$3.50 per dozen.

Standard Bearer. Bright, pure scarlet, thick and full to center, petals semi-quilled.

Strahlen Krone. Brilliant cardinal with purple button center and rose reflex.

Yellow Cactus.

This is a simple descriptive name, but to experienced Dahlia growers it is name enough,—if true in all it implies. Unlike most predecessors (whatever the name), it does not fade but is first and last a rich, solid lemon yellow; it does not shirk its duty (like some), but blooms early, much and long; it does not surrender its center at first clash with the sun (like most), but holds tight and preserves the true cactus form as long as the sturdier reds and pinks. In size, it runs seven inches or better. 75 cts. each.

Unless noted, 30 cts. each; \$3.00 per dozen.

By express, \$20.00 per 100.

DECORATIVE DAHLIAS

The flowers are usually large, but full open faced, with long, flat petals. They habitually bloom with great freedom and the individual flowers make a gorgeous display in the field besides furnishing magnificent cut flowers.

PRICE: Unless noted, 30 cts. each; \$3.00 per dozen.

By express, \$20.00 per 100.

Augustinus.

Remarkably early and free-blooming, with fine long stems and long petaled flowers waved and twisted into resemblance to the Chrysanthemums. Rosy salmon overlaid with metallic lilac. 75 cts. each.

Bonny Blue.

The nearest approach to a regular blue yet produced.

It is not washy, but a strong, dark, solid color; a little darker at the compact center. In form—perfect, full, round, short quilled, almost identified with the show type; profuse blooming, long stems and long keeping, it is all that can be desired for a reliable cut flower, in a unique shade of color.

Carolyn Wintjen.

Of extreme size, averaging 8 to 10 inches in diameter; salmon-

pink shading to rose. A good cut flower with long, firm stems. \$1.00 each.

Catherine Duer. Iridescent cherry scarlet overlaid with crimson, darker at center.

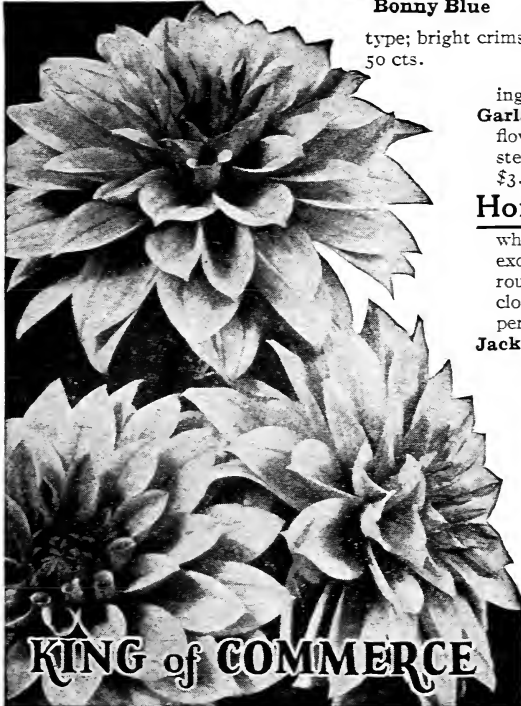
Cleveland Bronze. Of moderate size, very formal, of great substance and uniform dependability from beginning to end of the cutting season. Color rich coppery bronze. 35 cts. each; \$3.50 per dozen.

Diana. A good sized, long stemmed, perfect



Bonny Blue

type; bright crimson. 50 cts.



Delice.

A warm tone of lilaceous pink overlaid on white, the full center shaded a deeper hue and each petal point just nicked with silver.

Easton. A very striking and enjoyable red variety of medium size, but full, even petalage, and free-blooming habit; bright turkey-red. 35 cts. each; \$3.50 per dozen.

Eventide. A valuable cut-flower type, of large size and perfect form. Essentially white, with just a touch of tender rose flushing the margins of the petals. 35 cts. each; \$3.50 per dozen.

Garland. Pure deep canary yellow in flat but full-petaled flowers of large size. A free bloomer, with substantial stems presenting their burdens face up. 35 cts. each; \$3.50 per dozen.

Hortulanus Fiet.

A "giant" decorative with an abundance of broad petals, the

whole symmetrical flower averaging 8 inches across. Its exquisite color distribution beggars description; but is roughly a delicate shrimp pink pointed with gold and faintly clouded with red and yellow tones. 60 cts. each; \$6.50 per dozen.

Jack Rose. Rich crimson-red, with maroon shadings; a very showy dwarf garden type.

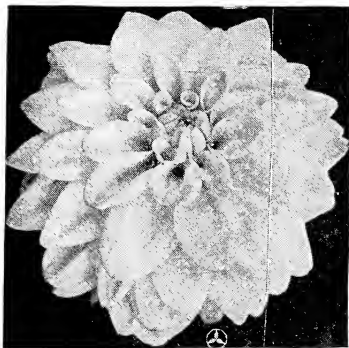
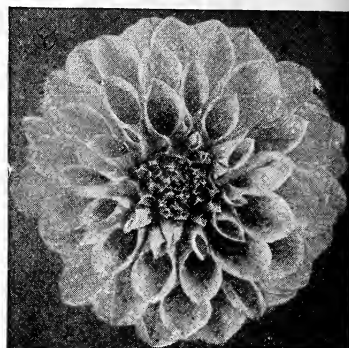
King of Commerce.

Firm, substantial, perfect form, medium size, free-blooming, early and outlasting; a

practical and popular cutflower variety. Yellow, evenly tanned; with a red swarthy at center. A favorite for lamp-lit bouquets. 75 cts. each.

Mad. A. Lumier. Distinct and showy variegated sort, one of the freest bloomers; semi-double flowers of white, blotched with crimson toward the end of petals, extreme tips a rich violet red. 35 cts.; \$3.50 per dozen.

Madonna. An early and free blooming type with good wiry stems, its petals long and gently undulated. White, faintly tinged with mauve. 75 cts. each.

**Mont Blanc****Thompson****Yellow Colosse****DECORATIVE DAHLIAS—Continued**

Mary C. Burns. Luminous old gold with reddish reverse. The flowers are large, true to type, very plentiful, and borne upon adequate stems. \$1.00 each.

Mina Burgle. Rich, luminous dark scarlet flowers of large form, strongly upheld. Unusually free and continuous bloom. 35 cts. each; \$3.50 per dozen.

Miss Freeman. Distinctly large shapely flowers well upheld; salmon orange suffused with peach and red. \$1.00 each.

Mont Blanc. Very large creamy white; unusually broad, flat petals, decidedly recurved.

Mt. Shasta. Very large and deep flower, with long, slim petals rolled at points. A lovely daydawn pink slightly deeper in the shadows, and faintly gilded at center. \$1.00 each.

Mrs. J. Gardner Cassatt. Compact, four-inch flowers with tight center; all-over bright mauve pink. One of the earliest varieties to bloom, continuing and retaining its perfect condition remarkably long. 75 cts. each; \$7.50 per dozen.

Oregon Beauty. Profuse, giant, ball-shaped bloom; intense oriental red suffused with garnet; a golden sheen over all. 35 cts. each; \$3.50 per dozen.

Princess Pat. Flowers of immense size and perfect shape with invariably firm center; a pleasing shade of old rose, enhanced by artificial light. \$1.00 each.

**Mrs. J. G. Cassatt****Pink Perfection.**

Derived from that fore-runner of the craze for the giant Hortulanus Fiet. With an average spread of eight inches and the same beautiful form, it needed only a readjustment of the color pigments to swing the dominant note from yellows to pink, thus creating a distinct new prize-winner. Salmon-pink toned with old rose, enlivened by a sheen of gold. \$1.00 each.

**Pink Perfection**

Romance. Vivid orange; close inspection revealing an oriental touch in the carmine which is dusted, streaked and splashed over its entire surface. The flowers are large and carried upright on long stiff stems. \$1.00 each.

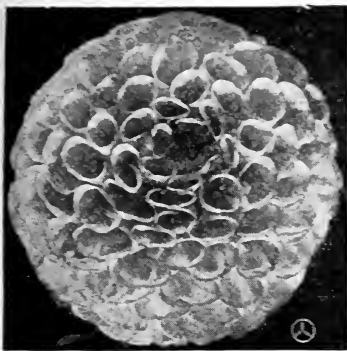
Shower of Gold. Furnishes great quantities of attractive, long stemmed cut-flowers of fair size; petals rather narrow and sharp pointed, somewhat recurved. Brilliant yellow enriched by an apricot stain at center. \$1.00 each.

Thompson. Tall, dark foliage; black stems. Protruding, conspicuous bloom; large, full petaled, recurved; brilliant scarlet, darker toward center.

Wilhelm Miller. If larger, would favor the Peony flowered type. Brilliant carmine red, passing to Tyrian rose at tips. 50 cts. each; \$5.00 per dozen.

Yellow Colosse. (Giant) Solid primrose yellow; one of the most dependable and satisfying yellow varieties in the decorative class. 50 cts. each; \$5.00 per dozen.

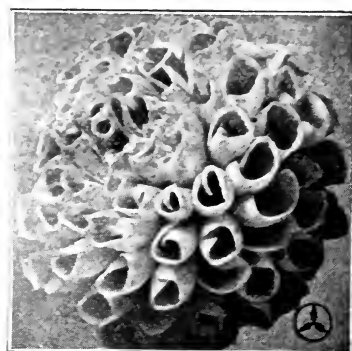
Unless noted, 30 cts. each; \$3.00 per dozen. By express, \$20.00 per 100.



Arabella



Grand Duke Alexis



Delicatessen

"SHOW" DAHLIAS

This type is the most formal and perfect in shape, composed of short, stiff, numerous quills of varying character. They make excellent compact bouquets and usually outlast the other types when cut.

Arabella. An old favorite; primrose, tipped and shaded old-rose and lavender. Under ideal dahlia conditions where it could longer hold its center, Arabella would still be held a first-rater on account of its beautiful color, tremendous energy and gracious form.

Chas. Lanier. Perfectly formed, fair sized, very prolific; rich yellow slightly tinged with copper.

Delicatessen. (Show) The broad-mouthed quills are a luscious cream, gilded by shadows in the throat; the close center focusing a rosy pomegranate which flits sketchily over intervening tips, to a warm suffusion in the outer rows. Flowers average five inches; are substantial, tenaceous and plentiful. 60 cts. each; \$6.50 per dozen.

Grand Duke Alexis. (Giant) Very large and full, with long, thick quills overlapping at the ends. White, slightly tinged and blotched lavender, especially at center. Under perfect dahlia conditions, this has been for years considered one of the choicest varieties. 35 cts. each; \$3.50 per dozen.

Lucy Fawcett. (Fancy Show) Large, full, heavy, with well-opened quills. Pale straw color, indefinitely dusted and splashed with tender rose to carmine. Not a new variety, but one of the most persistent of the fancy sorts, and a good bunch associate with such strong colors as Fire King, Bonny Blue or Mrs. Wellesley. 50 cts. each; \$5.00 per dozen.

Mrs. Dexter. Rather better than medium sized, free, and a serviceable cut flower appropriately colored to make up in autumn baskets. Chamois, tinged with coral which concentrates noticeably at center. 75 cts. each; \$7.50 per dozen.

Mrs. Wellesley. An old time favorite; creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject, unmixed, its short stems, compact character and exceedingly brilliant color, making a very showy mass.

Snowball. Perfect ball shaped, color blush white; free-blooming, a good companion for Susan.

Susan. Extraordinarily free-blooming; with large, shapely flowers long-stemmed and lasting; a very attractive mingling of rose-pink and white. One of the best for bouquets of delicate pink, not only for its dainty beauty, but because it is one of the first and the last of the season.

Unless noted, 30 cts. each; \$3.00 per dozen; \$20.00 per 100 by express.

POMPON DAHLIAS

Medium to small size, of perfect show type, invariably with long smooth stems. Especially good for small bouquets, sprays or dwarf beds.

Bobby. Deep plum. 35 cts. each; \$3.50 per dozen.

Catherine. Rich golden yellow; perfectly double.

Little Beauty. Miniature Livonias. Little round, fully quilled balls of pure pink; make up beautifully in any design requiring a small, dainty flower. 35 cts. each; \$3.50 per dozen.

Little Prince. Bold and striking; from richest crimson-maroon to varying striped combinations of crimson, scarlet and white.

Pure Love. Deep lilac, extra fine form and free.

Unless noted, 25 cts. each; \$2.50 per dozen.



**Cleopatra**

PEONY FLOWERED DAHLIAS

Tall growing, loose-petaled, large flowered and free blooming. One of their chief advantages over the other types lies in their big, fluffy, aggressive aspect which makes them of great value for landscape use. All varieties are long stemmed and airily graceful. Very effective cut flowers; many having those soft, tender shades particularly lovely under artificial light.

Avalanche. Extremely florescent; stems of any length; flowers about 3 inches. Frost white, except for a pink flush when first awakened; center prominent in deep gold. Actually a single (our only one this season), placed in this class for convenience. 50 cts. each; \$5.00 per dozen.

Cleopatra. Semi-double; brilliant red, splashed with yellow. Medium sized, but so numerous and conspicuous, a small bed of them makes a thrilling spectacle. 35 cts. each; \$3.50 per dozen.

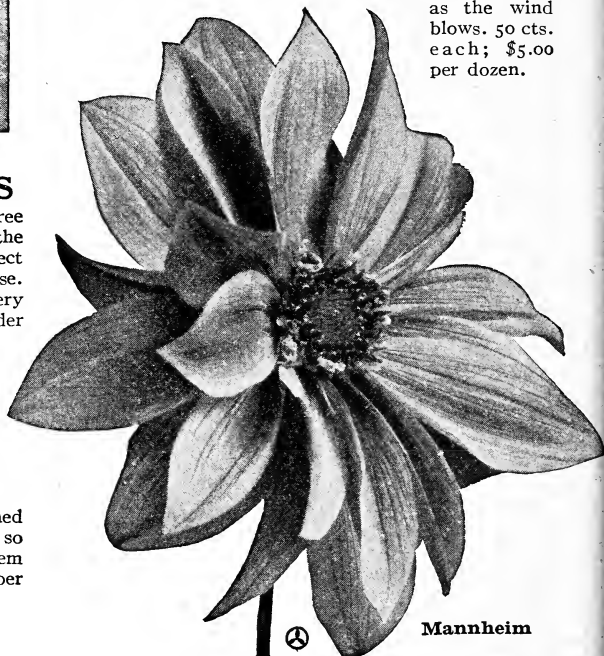
**The Mahdi**

Camille Frachon (*Peony Flowered.*) A magnificent new French introduction, equally striking and beautiful whether in its prevailing Peony flowered type, or as a Duplex-Century, or frankly single. Tall and rugged, with an abundance of flowers averaging 6 to 7 inches. Intense, glistening, aniline red deepening to rich garnet which forms a much-rayed halo around the yellow disc. 75 cts. each; \$7.50 per dozen.

H. Hornsveld. The partly folded petals show an alternation of carmine-rose from the underside, and gilded salmon pink above. 35 cts. each; \$3.50 per dozen.

La Riente. Long, twisted petals; violet rose weakening at center. 75 cts. each; \$7.50 per dozen.

Mannheim. Four to five inch, three-rowed flowers of the loose decorative type; cherry salmon suffused with rose, underside bright rose. The general effect of a row of nodding stems is sparkling; showing first salmon, then rose as the wind blows. 50 cts. each; \$5.00 per dozen.

**Mannheim**

Mrs. George Gordon. A peculiarly opalescent pale yellow; of good size and form, and very free. 50 cts. each; \$5.00 per dozen.

Mrs. Jacques Futrelle. A true peony flower, although the plant is short and stocky and the bloom only 3 inches wide. The extra petals curl up, creating a pleasing fluffiness. Makes a vivid landscape type; mainly a fire red, but sufficiently sprinkled with flowers which are yellow dusted with red, as to maintain a riot of color throughout the season. 60 cts. each; \$6.00 per dozen.

Queen Wilhelmina. Immense, fluffy flowers of pure white, with yellow center. 35 cts. each; \$3.50 per dozen.

The Mahdi. Flowers broad, thick and wavy; growth and general appearance boldly prominent. One of those delightfully uncertain fancy sorts in which the proportions of its blood-red, cream, white and yellow coloring are juggled back and forth at caprice of the season and its changeful conditions. 60 cts. each; \$6.50 per doz.



Dracaena Mrs. Ed. Andre

DRACENAS

Fragrans. Plentiful, broad foliage of one color; lustrous, dark green. The plants are especially hardy and trustworthy for general house decoration. 4-inch pot plants, \$1.00 each; 6 inch pot plants, \$1.50 each.

Indivisa. Numerous slender, grass-like green leaves, the favorite center plant for box, vase and basket planting. 2½ inch, 20 cts.; 3 inch, 30 cts.; 4 inch, 50 cts. By express, 5 inch, \$1.00.

Mrs. Ed. Andre. One of the best high colored sorts; its heavy foliage a dark bronze which develops by sections to an intensely brilliant rosy crimson. 5 inch specimens, by express, \$2.50.

Massangeana. Broad green leaves, striped with varying shade of yellow. 3 inch pots, \$1.00 each.



Ficus Elastica

Sanderiana. An upright, stocky variety with alternating lanceolate leaves of dark green, striped creamy white. 35 cts.

Terminalis. Leaves rather long and pointed, deep bronze, coloring richly to crimson, marked with pink and green and occasionally streaked with white. By express, 75 cts. and \$1.00.

EVONYMUS



"Silver Leaf" Evonymus

Not hardy enough for permanent out-door use, but valuable in pots for decoration.

Japonica Argentea. ("Silver-Leaf"). Foliage round and large with most of surface silvered over with creamy white. Extremely bright and attractive, of great value for contrasting. 2½ inch pots, 25 cts.; By express, 3 inch pots—6 to 8 inches high—50 cts.

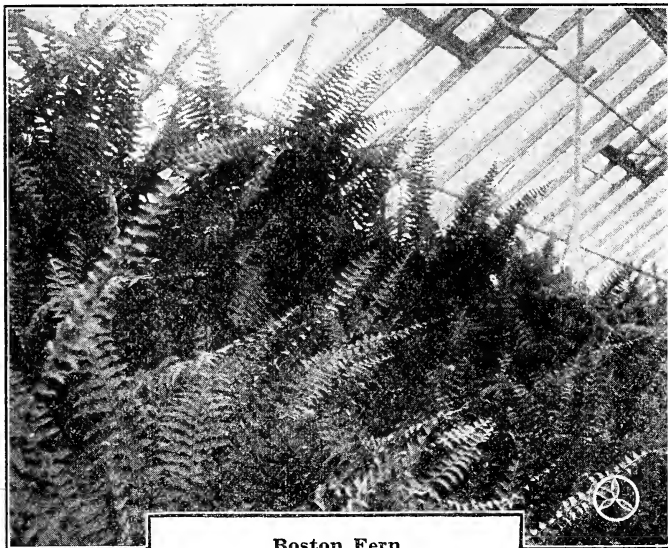
Japonica Aurea. ("Golden Leaf"). Identical with above, except the dominant note of color is golden yellow, an unusual effect among hard foliage plants. 2½ inch pot plants, 25 cts. each; 3 inch pot plants, 50 cts. each; 4 inch pot plants, 75 cts. each.

FICUS—The Rubber Plants

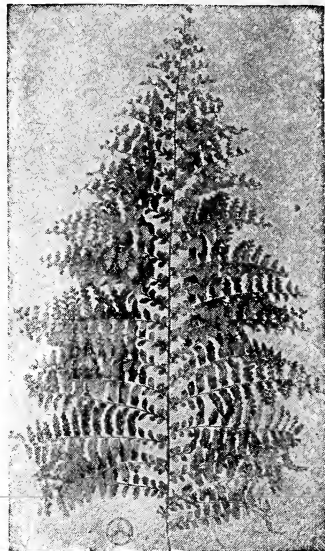
Elastica. (India Rubber Tree.) This is the old reliable thick leaved, substantial house plant which has ever patiently served its purpose, under abuse and neglect; its dark green, shiny foliage always handsome. By express, 5 inch pots—20 inches high, \$1.25.

Pandurata. (Majestic Rubber Plant.) The odd leaves are guitar-shaped with the larger end out, stiffly uprising from the central stalk. They are very thick and rubbery, ten inches wide by fifteen inches long; dark green, with creamy white veins, which on the underside are purple and boldly projecting. The sizes we offer are fine specimens, by express, 18 to 20 inches high, \$2.50.

Repens. A small shiny leaved creeping or trailing vine of moderate growth, useful and ornamental for covering stone or wooden conservatory walls. 2½ inch pots, 25 cts. each; \$2.50 per dozen. 4 inch pots, 50 cts. each; \$5.00 per dozen.



Boston Fern



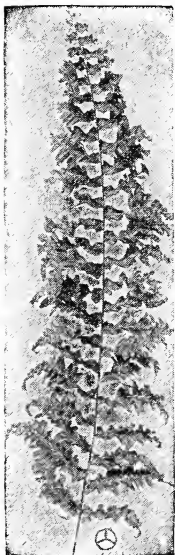
Verona

FERNS

No foliage plant that grows presents so many varied charms, or is so practical for all general house, table, floral or window decorations as the Fern. Most varieties love the sun, and thrive to best advantage if located near the sunniest window, occasionally turned, and given a dutiful attention to watering.

NEPHROLEPIS

Bostoniensis. (Boston Fern.) Every recent year brings forth a new-named fern; yet nearly all are derivations from this "Boston" Fern, and the parent type is still as beautiful, useful and popular as ever. Fully matured fronds attain a length of 3 to 4 feet. 2½ inch pots, 20 cts. **By express:** 5 inch pots, \$1.00 each. 6 inch pots, \$1.50 each; 8 inch pots, \$3.00 each.



Scholzei

McCawii. A new development of Teddy Jr., not quite so dwarf in growth, but equally compact with pinnae more minutely and uniformly ruffled. 2½ inch, 25 cts. **By express,** 5 inch pots, \$1.00.



Adiantum (Maiden Hair Fern)—Page 75

Dwarf Boston or Baltimore Fern.

A very rugged, substantial, compact and shapely pot fern; with typical Boston foliage except the fronds are short and undrooping like Teddy Jr. 2½ inch pots, 20 cts. **By express:** 4 inch pots, \$1.00; 5 inch pots, \$1.50.

Scholzei. (The Plumed Scott Fern.) Short bushy, compact growth combined with a delicate fluffiness of foliage. Even very small plants are models of beauty for table decoration. 2½ inch pots, 25 cts.; 4 inch pots, 75 cts. **By express:** 4 inch pots, 60 cts.; 5 inch pots, \$1.00.

"Teddy Jr." A dwarf, compact grower, with substantial crinkly fronds which are self-supporting specimens, even in medium size plants. 2½ inch pots, 20 cts.; 4 inch pots, 60 cts. **By express,** 4 inch pots, 50 cts.; 5 inch pots, \$1.00.

Verona. A handsome new variety with fine "Ostrich Plume" foliage, but with a stiff mid-rib, which makes the fronds stand up better than most varieties of the lace-ferns. 2½ inch pots, 25 cts. **By express,** 5 inch pots, \$1.50.

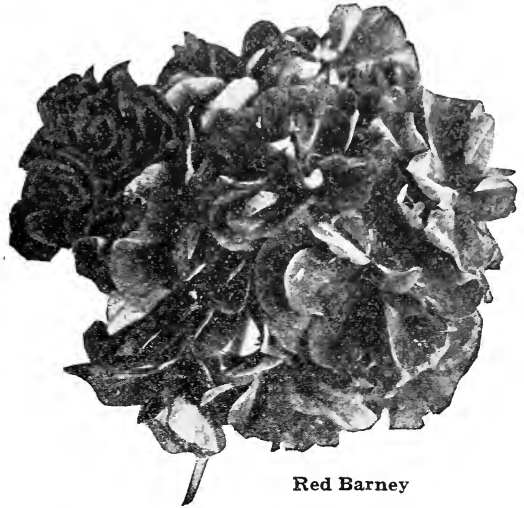


Teddy Jr.

GENISTA RACEMOSA

Round, dense foliage. Flowers are very small, pea shaped, borne in close racemes. When in full bloom the entire plant is a solid ball of the brightest yellow, emitting a delicious lemon fragrance. Very popular for Easter decorations and will continue in bloom about four weeks. 2½ inch pot plants, 20 cts. each. By express, 5 inch pot plants, 75 cts. each.

GERANIUMS



Red Barney

Double flowered unless noted. From 2½ inch pots. **Alphonse Ricard.** Bright orange red.

Beauty Poitevine. (Single.) Rosy salmon, nicely shaded and tinted from deep orange to pure salmon.

Bertha de Pressily. Pure delicate pink.

Jean Viaud. Immense trusses; beautiful clear, rosy pink with distinct white blotch at center.

La Favorite. Very large trusses; snow-white.

Mad. Barney. A splendid bedding variety; extremely large, double flowers of brilliant rose.

Mrs. Lawrence. A dwarf, compact grower equally valuable as a bedder or for winter pot-blooming; bright salmon-pink, slightly tinged white.

Red Mad. Barney. Of all red Geraniums old or new, this new variety stands out in bold relief. It has the broad, velvety, distinct foliage and vigorous habit of Mad. Barney, likewise its full, round truss and double petalage. A clearer and more brilliant red than the crimson depths of S. A. Nutt; with more fire than the familiar scarlets of the past. An incessant, extravagant bloomer, sun-resisting and long keeping, on long stems. 20 cts.; \$2.00 dozen.

S. A. Nutt. Always dependable for a constant blaze of crimson from May until snowfall.

Unless noted, 15 cts. each; \$1.50 per dozen.

FANCY LEAVED GERANIUMS

Mad. Salleroi. A very compact variety, fine for bordering. A thrifty healthy grower, rarely reaching a height of more than six inches; leaves very small, a peculiar clear green, edged with pure white.

Lemon Scented. Very small, wrinkled, dense leafage; strong scent.

Rose Scented. Broad, deeply indented leaves.

Skeleton Leaved. (Dr. Livingston.) Beautiful; rose scented.

Variegated Ivy Leaved. (L'Elegante.) Thrifty trailing growth; shiny leaves heavily edged and overlaid silver. 35 cts. each; \$3.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.



S. & H. Co. Table Ferns

MISCELLANEOUS FERNS

Adiantum Cuneatum. The well-known Maiden Hair Fern, indispensable in the making up of floral pieces and winter bouquets; as showy and useful for pot specimens after attaining sufficient size, as the various varieties of Nephrolepis. 2½ inch pots, 25 cts.; 4 inch pots, 50 cts.

Selaginella Emiliana. (Moss Fern.) A good associate with Asparagus or Maiden Hair for table and house decorating in larger sized pots. Very dwarf and compact, its dense, tiny leaves forming a moss-like carpet. 20 cts. each; 3 for 50 cts.

Selaginella Denticulata. A low-growing, drooping variety, forming a ball of bright green. 20 cts. each; 3 for 50 cts.

SMALL FERNS FOR DISHES

These charming little ferns are each of distinct form, presenting various shades of green and silver variegation, especially adapted to use in table jardinières, and indispensable for all inside "ferny" effects.

Aspidium Tsussimense. Dwarf and compact plant, short tri-pinnate leaves of the darkest green.

Cyrtomium Falcatum. (Holly Fern.) Broad, halbert-shaped leaves of waxy green; always shiny.

Pteris Adiantoides. Good sized leaves in perfect triangle shape; dark green with distinct fine veins.

Pteris Cretica Albo-Lineata. A handsome dwarf-growing fern, deep green, striped white.

Pteris Magnifica. Long, wide spread leaves occasionally crested, bright green.

Pteris Mayii. Dwarf variegated sort, prettily crested.

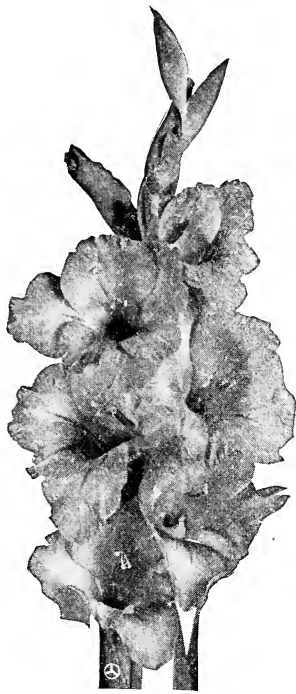
Pteris Serrulata. All green, slim and branchy.

Pteris Victoria. Rather dwarf and compact; fronds short but broad-based with numerous pinnae, a decided silver streak down the center of each.

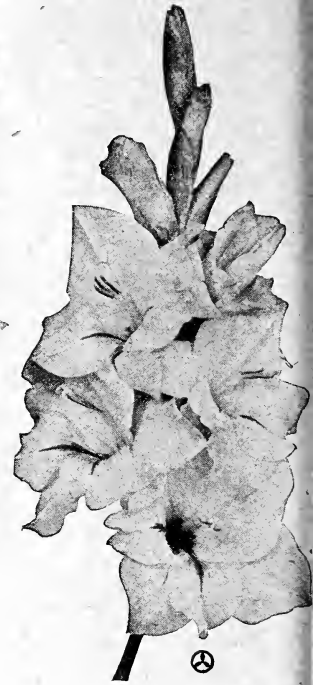
Pteris Wilsoni. One of the finest of all the dish ferns. Dish Ferns—20 cts. each; \$1.75 per dozen.

FERN DISH COLLECTION

We will mail 6 plants in 6 varieties of our choice for 85 cts.



Remembrance

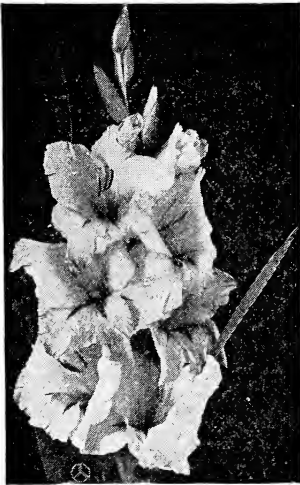
Orange
Glory

Youell's Favorite

GLADIOLI

THIS CLASS of summer-flowering bulbs is doubly valuable for the brave field show of bloom, and for its generous supply of cut-flowers. Gladiolus flowers last longer when cut than most any other flowers, and develop in water to a greater perfection than if left on the plant. Bulbs should be planted from the middle of April on into May throughout the Northern States, a second planting after two or three weeks ensuring a more even succession of bloom. Set bulbs 2 to 4 inches deep and 2 inches apart in the drills, single rows 12 inches, and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart each way.

100 rate by express; for mailing, add 25 cts. per 100.



Kunderd's Favorite

RUFFLED GLORY GLADS.

The "Glory" type of Gladioli are distinct from other forms; their originator, Mr. Kunderd, having worked not only towards large size and strong color markings, but particularly for the beautiful ruffled or fluted petals which are their principal distinguishing features. This innovation has come to be accepted as a distinct and valuable class; and embraces some of the finest of recent novelties.

Joe Coleman. Beautifully ruffled, a strong grower, with many flowers open at a time. Vivid cardinal red brightened by crimson and enriched with maroon.

Kunderd's Favorite. A very tall, strong and vigorous plant with many large, finely ruffled flowers at one time; brilliant orange salmon, deeper in the throat. A dependable, free-bloomer.

Orange Glory. Strong orange color, slightly weakening in the throat.

Purple Glory. Largest of the class, deeply ruffled, darkly gleaming; maroon-red, its velvet richness heightened by almost black throat blotches. Stock is scarce.

Remembrance. Tall spike, many large flowers open at one time. Deep salmon rose pink, throat heavily zoned.

White Glory. Pure, waxy white, with interior markings of iris-blue.

Youell's Favorite. Thick buds of old rose, opening mostly at one time into big trusses of broad flowers. Blush white broadly margined tender rose, the lower petal canary blotched crimson.

Each	Doz.	Per 100
\$0.30	\$2.50	\$20.00
.35	3.00	22.00
.15	1.50	10.00
.60	5.00	.....
.20	2.00	14.00
.20	2.00	15.00
.20	2.00	14.00

RUFFLED GLORY SET.

One each of following
7 varieties by mail for
\$1.85; 1 dozen each by
mail for \$16.50.



Evelyn Kirtland



Le Marechal Foch



Rose 1910

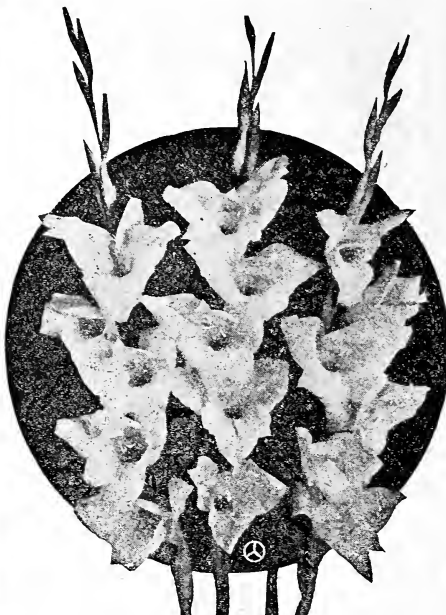
GENERAL COLLECTION OF CHOICE NAMED GLADIOLI

Rate per 100 by express only. Add 25 cts. per 100 if ordered by mail.

	Each	Doz.	100		Each	Doz.	100
Al Shira. Rich velvety surface; violaceous garnet, roseate in throat, brindled heavily with maroon, the lower petals and buds almost black.....	\$0.25	\$2.50	\$18.00	Halley. Delicate salmon-pink, the lower petals showing a creamy blotch bisected by a red stripe. One of the earliest to bloom....	\$0.08	\$0.75	\$5.00
America. Beautiful soft flesh-pink faintly tinged with lavender....	.06	.60	4.00	Helga. A delightful combination of deep rose, salmon and pink on a white ground.....	.15	1.50	10.00
Baron Hulot. Rich, deep indigo blue; a fine medium flower....	.15	1.50	10.00	Herada. Pure mauve, deeper shadings in throat and lower petals....	.10	1.00	7.50
Cairo. Bright cherry pink with a white streak at center, and small purple throat.....	.15	1.50	10.00	Ida Van. Flaming orange pink....	.08	.75	5.00
Defiance. Massive blooms; delicate blush white more deeply blushed at throat.....	.15	1.50	10.00	Le Marechal Foch. One of the earliest, contemporary with Halley; twice the size of America; a beautiful shade of pink.....	.10	1.00	7.50
Early Sunrise. 4½ feet high—with full heads of mammoth flowers from 4 to 6 inches across. Color is bright flamy red with a faint orange coating. Very early	.15	1.50	10.00	L'Immaculee. Pure white; long, slender spikes of a dozen or more	.10	1.00	7.50
Empress of India. A glorious rich dark mahogany red uniquely veined.....	.20	2.00	14.00	Lustre. Tall; vermilion-crimson. Wide open, numerous flowers, one of the showiest solid reds....	.25	2.50	18.00
Evelyn Kirtland. Tall and stately; rosy pink, darker at edges dimming to shell-pink at center; brilliant scarlet blotches on lowers	.10	1.00	7.50	Mary Pickford. Delicate creamy white, even the sheath being white. Good cutting stems, easy forcer; a splendid bouquet type.	.10	1.00	7.50
Flora. Clear canary yellow with no markings. Larger than Schwaben; early, and long-stemmed.....	.10	1.00	7.50	Mrs. Dr. Norton. Immense flower, creamy white overlaid or tinted soft pink, end of petals showing a charming picotee of deeper pink.	.15	1.50	10.00
Gaiety. Bright and cheery; solferino pink, the deep creamy throat sprayed with rose.....	.15	1.50	10.00	Mrs. Francis King. A fine strong growing variety with large spikes of bright, pure scarlet flowers....	.05	.75	5.00
Glory of Holland. A reliable white, slightly flushed with pink	.10	1.00	7.50	Mrs. Frank Pendleton, Jr. Large and well expended, of a lovely flushed salmon-pink, with blood-red blotches in the throat.....	.08	.75	5.00
Gretchen Zang. Soft pink merging into scarlet on lower petals..	.10	1.00	7.50	Mrs. Watt. The dark color is a rich unmixed velvety wine-color.	.10	1.00	7.50



Schwaben



Glorious

S. & H. "OLD GLORY" MIXTURE

Of

Large Flowered Gladioli

This is a deliberately planned "mixture," not a refuge for surplus kinds or the result of chance circumstances. We give it our own distinctive name; and conscientiously maintain its original value and excellence, planning carefully each year to keep its component elements up-to-date, and worthy its reputation among amateur growers as being just about the best "mixture" offered to the public under any trade name.

By mail, 60 cts. per dozen;
\$4.50 per 100.

By express, 50 cts. per dozen; \$4.00 per 100;
\$3.50 per 1000.

NAMED GLADS.—Cont.

	Each	Doz.	100
Neoga. Dark garnet red, with even deeper shadows in the throat. Half ruffled.....	\$0.10	\$1.00	\$ 7.50
Panama. A new America, more deeply pink and a trifle larger..	.08	.75	5.00
Peace. A robust grower reaching 5 feet in height, with a correspondingly long flower spike; pure white with faint lilac markings..	.08	.75	5.00
Pink Perfection. Dainty, large flowers of apple blossom pink..	.10	1.00	7.50
Rose 1910. Extra large, a very fine shade of rose-pink; lower petals lined white, through center..	.15	1.50	10.00
Schwaben. Pure canary yellow shaded sulphur, the golden yellow throat slightly blotched dull carmine. Tall, strong, well set.	.08	.75	5.00
Sentinel. Tall, strong; large flowers; pure rose pink with elegant white penciling.....	.10	1.00	7.50
Summer Beauty. Clear salmon pink flowers well set in long spikes	.15	1.50	10.00
Vesuvius. Cherry red, the center light red with conspicuous primrose yellow throat.....	.15	1.50	10.00
Virginia. A beautiful soft raspberry red, clearing up to begonia red in the throat. A charming self color.....	.15	1.50	10.00

"STANDARD" MIXTURE

Of Large Flowered Gladioli

This is a fine mixture of average standard sorts, not so choice as the kinds going into "Old Glory," but far from being the "commonest" of the cheaper mixtures.

By mail, 45 cts. per dozen; \$3.00 per 100.

By express, 30 cts. per dozen; \$2.25 per 100;
\$20.00 per 1000.

War. Flowers extremely large, plentiful, one of the best late reds.....

White City. Late; pure white... .25

Wilbrink. Very early light pink. .10

Each	Doz.	100
\$0.10	\$1.00	\$ 7.50
.25	2.50	18.00
.10	1.00	7.50

PRIMULINUS HYBRIDS

The "Butterfly" Gladioli

A new small-flowered type, free, continuous bloomers; running strong to orange, tan and other butterfly shades. These are sturdy growers, last late in bloom and survive more vicissitudes than the large flowered classes.

Ada. Dainty white, blotched in blood-red.....

Adorable. Blooms very early on long spikes; blush white, daintily mottled peach pink and cream..

Alice Tiplady. Orange saffron; flowers unusually large for the class, and beautifully ruffled...

Aurora. Colored like autumn maple leaves.....

Glorious. Very early, tall and extra large flowered. Shell pink with faint undertone in yellow..

Maidens Blush. Enchantress pink; earliest of all.....

Orange Brilliant. Uncrowded, brilliant orange.....

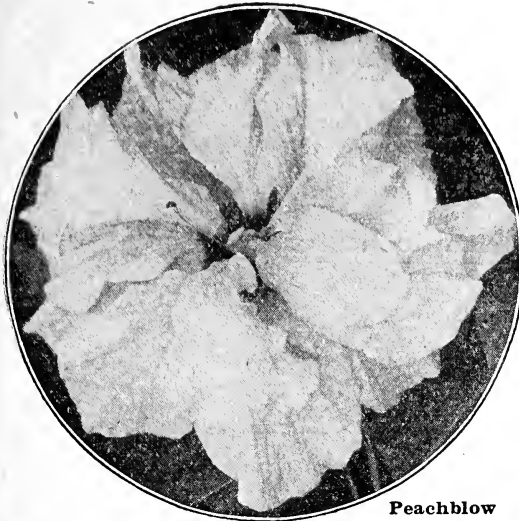
Queen Victoria. Outer petals glittering pink; throat silvery rose.....

Each	Doz.	100
\$0.08	\$0.75	\$ 5.00
.08	.75	5.00
.08	.75	5.00
.08	.75	5.00
.10	1.00	7.00
.08	.75	5.00
.08	.75	5.00
.08	.75	5.00

"BUTTERFLY MIXTURE"

Of Primulinus Gladioli

A splendid mixture of colors in the older named varieties. **By mail**, 60 cts. a dozen; \$4.00 per 100.
By express, 50 cts. a dozen; \$3.50 per 100.



Peachblow

HIBISCUS SINENSIS

Strong growing tropical plants with handsome glossy foliage and large, brilliant, showy flowers. In a warm sunny window they make fine decorative plants and bloom profusely. In open ground during summer they make a gorgeous display with bright colored flowers.

Mineatus Semi-Plenus. Half double, prettily ruffled flowers; light vermilion-scarlet. 20 cts. each.

Peachblow. Flowers double; of a rich shade of clear pink, with small, deep crimson center; most beautiful shading; four to five inches in diameter. Blooms freely even on small plants. 25 cts.; \$2.50 per dozen. 2 yr. old from 4 inch pots, 60 cts. each.

Red Peachblow. The usual fully double petalage of the type, but strongly colored with red, a violaceous overcast making it very attractive. 30 cts.; \$3.00 per dozen.

Sub-Violaceous. Branchy growth; with large, mainly single flowers of light crimson. 25 cts.

HYDRANGEA HORTENSIS

Not hardy in the Northern states, and should be brought into the house before freezing fall weather. A cool, light cellar location is preferable with occasional watering, but keep them dormant even if a cooler temperature is found necessary. Early in spring bring up and apply water liberally. When in full bloom, keep slightly shaded to lengthen the blooming period. A soil composition of turfy loam and one-third rotted cow manure is best for potting.

Otaska. The old favorite used in pots at Easter time, and for lawn decoration in summer. 20 cts. 4 inch pot plants 50 cts. each; 5 inch pot plants, 75 cts. each.

NEW DOUBLE FLOWERING HYDRANGEA

Domotoi. Although of quite recent introduction, this fine new double form of Otaska has proven itself as thrifty and dependable as Otaska. Each floret is markedly double, breaking up the usual smooth surface of the truss with delightful convolutions and the beautifying play of lights and shadows. 2½ inch pots, 30 cts. each; \$3.00 per dozen. 4 inch pots, 75 cts. each; \$8.00 per dozen.

NEW GERMAN HYDRANGEAS

We must thank the German producers for a number of fine new varieties in the large panicle exhibition hydrangeas, which not only preserve and improve all the good features of the French section, but add greatly to the scope of that list by development of distinct red shades heretofore ineffectual. The six new sorts following are a selection from their latest novelties.

ELMAR. Crimson rose.

GUDRON. Brilliant, clear rose.

HELGE. Bright red.

LANZELOT. Dark carmine red.

LORELY. Reddish carmine.

PARCIVAL. Blood-red.

2½ inch pot plants, 40 cts. each; \$4.00 per dozen.

FRENCH HYDRANGEAS



These plants will be practically dormant when shipped, but will soon respond to sunlight and plenty of water.

Baby Bimbenet. Very dwarf, early and free; distinct from others in that each and every shoot produces flowers. Large, compact trusses of silvery rose. 5 inch pot plants by express, 75 cts.

Lillie Mouillere. Beautiful carmine rose. 25 cts. each.

Mad. Emile Mouillere. One of the very best; with immense trusses of florets frequently over two inches in diameter. Pure white, with rosy carmine eye.

Mad. Legou. Large, creamy white. 5 inch pot plants, by express, 75 cts.

Mad. Maurice Hamar. A pleasing shade of delicate flesh-pink.

5 inch pot plants, by express, \$1.00.

Mlle. Renee Gaillard. Beautifully fringed petals in full panicles of creamy white.

5 inch pot plants, by express, \$1.00.

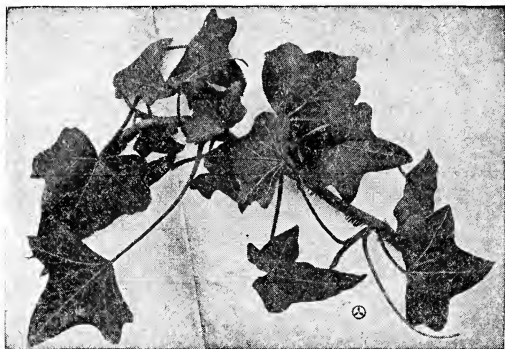
Souv. de Mad. Chautard. Shapely plants of robust habit, bearing medium size, but extremely pretty flowers of bright rose. 25 cts. each. 5 inch pot plants, by express, 75 cts.

Trophee. Vigorous growth, great freedom of bloom. This is the darkest carmine red of any variety. 25 cts. each.

Vicomtesse de Vibraye. A favorite early forcing sort, bright rose, changing to blue.

ALL ABOVE, UNLESS NOTED, by mail, 2½ inch pot plants, 20 cts. each.

5 inch, 60 cts. each.



English Ivy

ENGLISH IVY

Hedera Helix. Foliage is rich waxy green with prominent lighter veins and is very attractive. If planted outdoors, the vines must be taken down and carefully covered for winter, in this northern latitude. Mixed with Asparagus and Vinca Major for the trailing effects in our summer porch boxes and urns, and at base of cemetery monuments, where care is assured. $2\frac{1}{2}$ inch pots, 20 cts.; \$1.85 per dozen. 4 inch pots, tops 2 feet long, 35 cts.; by express, \$3.50 per dozen.

IPOMEA

(Moon Flowers)

One of the most popular summer vines. The foliage is graceful and serviceable, and the vine a rapid climber attaining a length of 40 feet in a season. The flowers are borne abundantly throughout a long season, opening at sundown, emitting a rich Jessamine odor at night, and closing about noon next day.

Grandiflora. Satiny white flowers, five to six inches in diameter. 20 cts. each; \$2.00 per dozen.

LANTANAS

They are in bright, catchy bloom continuously from spring until frost cuts them down in the fall; at all times emitting a pleasant, pungent fragrance. The flowers are small, bright eyed cups, set quite closely together in rounded umbels two to four inches across.



Aurora. Large flowered; dark and light shades of pink with yellow center.

Countess de Biencourt. Brilliant rose-pink surrounding a center of creamy yellow.

Craigi. Dark, cardinal-red velvet, its center studded with gold; extremely florescent.

Harkett's Perfection. Golden variegated foliage; flowers yellow and pink.

Iolande. An especially good dwarf variety; a showy commingling of crimson, orange and yellow.

Jacob Schultz. Rich, velvety crimson-wine; with a varying center of blood-orange; the darkest and showiest sort. 20 cts. each; \$2.00 per dozen. By express, \$14.00 per 100.

Juan d'Or. Light sulphur at center, gradually receding in favor of deep rose pink.

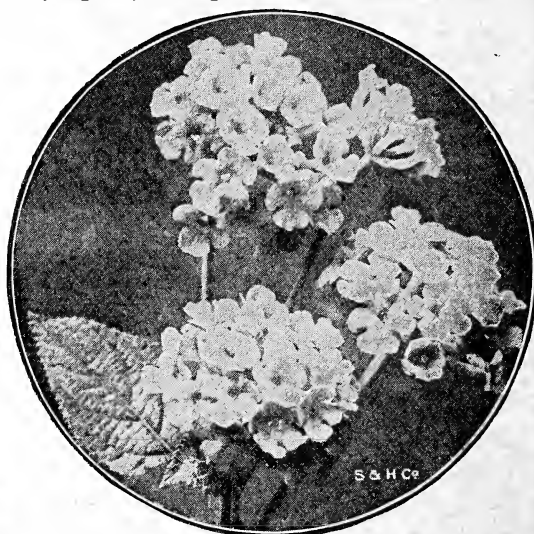
Protel. A dainty intermingling of cream and lilac-rose; a mottled effect.

Weeping Lantana. A fine plant for winter flowering in pots or

small hanging baskets. Flowers delicate rose lilac in compact umbels, borne freely all over the plant from the base of each leaf stalk.

Unless noted, 15 cts. each; \$1.50 per dozen.

By express, \$10.00 per 100.



Bedding Lantanas

JASMINE

Cape Jessamine. (Gardenia Florida.) A beautiful evergreen shrub 2 to 4 feet high, with small, solitary, star-shaped flowers of delightful fragrance; very popular in Southern gardens. Not hardy north of the Ohio river, but of value as a house or conservatory plant. 30 cts.; \$3.00 per dozen.

Grandiflorum. (Spanish or Star Jasmine.) Grows nearly erect, with angular, drooping branches. Abundant fragrant, starry bloom, throughout the winter, as well as during its summer stay in the garden. 15 cts.; \$1.00 per dozen.

Grand Duke. A full double-flowered type of the Arabian Jasmine, exquisitely scented and of beautiful form for use as men's boutonniers. This variety is practically everblooming, being particularly free in frostless countries where it can stand outdoors, 25 cts.

Nudiflorum. A winter blooming shrubby vine, quite twiggy, with small leaves and solitary yellow flowers. 25 cts. each; \$2.50 per dozen.

LEMON PONDEROSA



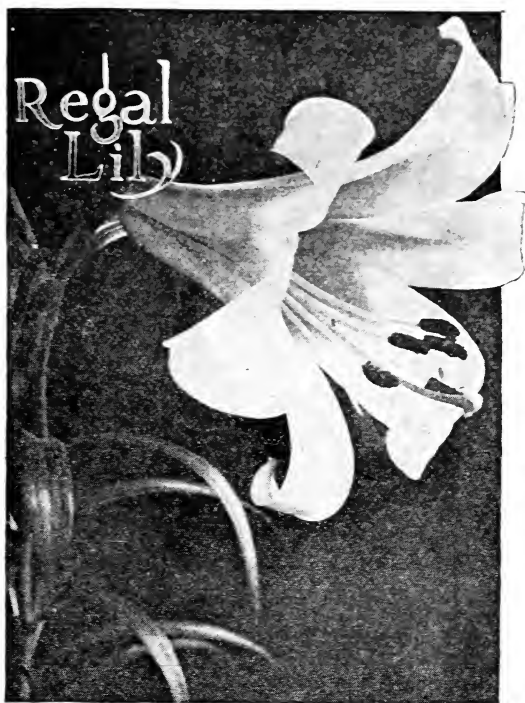
A fragrant breath of the South translated into Northern homes. The dark, glossy foliage winters well and is always verdant, the attractive flowers of pure white with yellow stamens are refreshing in their waxen beauty and subtle perfume, their crowning glory the immense fruits. The combination of flower, fragrance, fruit and tree-like growth makes it one of the most satisfactory window and porch decorative plants in existence. **By mail**, 25 cts. each; \$2.50 per doz. **By express**, 4 inch pots, 75 cts. each.

LILY OF THE VALLEY



The Lily of the Valley will thrive and throw up its beautiful, modest, fragrant white bells in any kind of soil. It will make a carpet of refreshing green, daintily patterned by its pervading flower sprays, in those shady and cold spaces otherwise lost to ornamentation around every house and in the little nooks and angles too small for coarser and more ambitious plants. The bloom occurs in late spring and early summer.

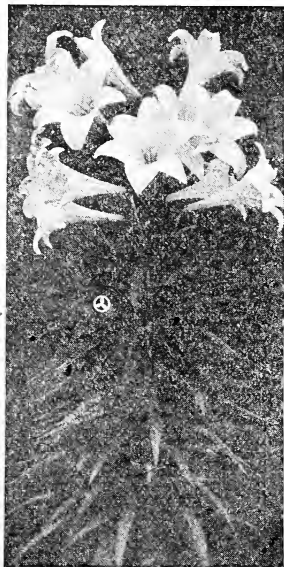
Large Pips. 50 cts. per dozen; \$3.50 per 100; \$30.00 per 1000.

The New
Regal
Lily

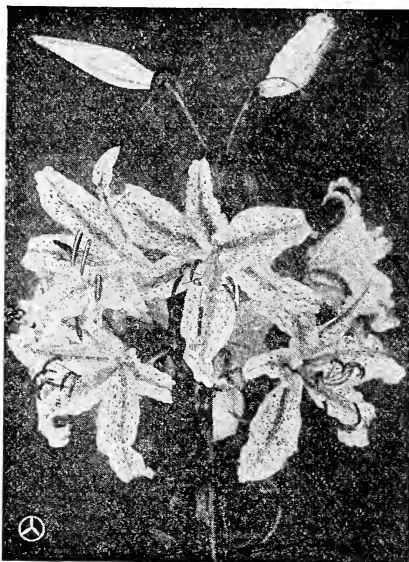
Lilium Regale or *Myriophyllum*. Just yesterday a novelty, but now hailed as an epochal discovery, and permanent fixture. Of rare production and wondrous beauty, achieved through the adventurous research and resourcefulness of one of our greatest plant collectors, who recently brought the original bulbs from the wilds of Northwestern China. Experiments have proven this new Lily to be harder than most kinds; so it is reasonable to expect that the glorious bloom which forces so easily for Easter time, will be as easily available to the amateur for its delightful unfolding within his own home. In fact, its already wide distribution among growers, both amateur and professional, has convinced them of its superiority over other kinds. Many growers predict that Regal Lily will almost entirely supplant the older types of white forcing and garden lilies, within a very few years. The flowers are white, slightly suffused with pink; with a beautiful glow of canary yellow at center, which continues part way up the trumpet. Its perfume is exquisite; not oppressively heavy like some types, but with the sweet refreshment of the Jasmine. In the garden, it should bloom early in July, continuing its glorious display well into August.

PRICE (100 rate by Express)	Each	Doz.	100
2 Yr.			
1st Size Blooming Bulb	\$.50	\$5.00	\$40.00

See other varieties of Lilies on page 82.



Longiflorum



Auratum



Speciosum Rubrum

LILIES

Stateliest and most aristocratic of all garden plants. Being hardy, the list of Lilies ordinarily run with the other hardy perennials; but being supplied as bulbs, they might be overlooked if not offered near-by the other Spring bulbs—such as Dahlias, Gladioli, etc.

GENERAL COLLECTION

Auratum. (Gold Banded Japan Lily.) This variety has ever been a great favorite. The flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon; with a wide gold band down the center of each petal. Improves with age, and produces a vast amount of bloom. 30 cts. each; \$3.00 per dozen. Extra large, 40 cts. each; \$4.00 per dozen.

Elegans Mixed. A thrifty, hardy and easily handled class which is quite liberal in production of 4 to 6 inch terminal flowers, on stems $1\frac{1}{2}$ feet high clothed full length with shiny, narrow leaves. The dominant color is orange red, but our mixture shows considerable variety as to shades and spotting. 25 cts. each; \$2.50 per dozen.

Henryi. (Yellow Speciosum.) One of the finest hardy Lilies, of strong, vigorous growth, with flower stalks 3 to 5 feet long; deep apricot-yellow, lightly spotted brown. 50 cts. each; \$5.00 per dozen.

Krameri. Beautiful trumpet shaped flowers, exceedingly fragrant; bluish pink. A very dainty and pleasing variety. 35 cts. each; \$3.50 per dozen.

Longiflorum Giganteum. One of the most reliable and fragrant garden Lilies, bearing its snow-white trumpets during June and July, in great abundance. As a forcer, it outlasts the Bermuda Lily, showing greater substance. 25 cts. each; \$2.50 per dozen. Extra large, 40 cts. each; \$4.00 per dozen.

Superbum. Runs from 3 to 6 feet in height, its nodding crests adding to the general brilliance of July, with from five to forty handsome orange-red blooms. 20 cts. each; \$2.00 per dozen; \$15.00 per 100, by express.

Speciosum Album. Pure white with a green band traversing the center of each petal. 30 cts. each; \$3.00 per dozen; \$22.50 per 100, by express.

Speciosum Rubrum. This is one of the joys of August; ruby spots distributed over a broad expanse of white. 25 cts. each; \$2.50 per dozen; \$19.00 per 100, by express.

Tigrinum Splendens. The red-brown, spotted, single "Tiger Lily." 20 cts. each; \$2.00 per dozen.



OTAHETE ORANGE

Firm, rounded, shiny, green foliage always attractive, the creamy white flowers are of charming form, usually in small groups, and exquisitely scented. A grand plant for winter culture; scarcely ever without some display of fragrant blossoms or fruit. Fruit about half the size of ordinary oranges. 25 cts. each. Fine plants from 4 inch pots, 10 to 12 inches high, by express, \$1.00.



Kentia
Balmoreana

PALMS

Watering the soil not oftener than three times, nor less than once a week, and sponging the leaves frequently with tepid water, will normally preserve health and discourage the accumulation of unsightly dust or marauding insects. The varieties offered can best stand the hard usage to which house plants are normally subjected. *Height given means from top of pot.*

Kentia Balmoreana. Gracefully arching stems of steely strength despite their slenderness, each crowned with its fan-like canopy of richest green. The breaking forth of each new leaf is a ceremony; its slow advance to an equality with its fellows, a triumphal progress. Leaf by leaf, our pride and interest keep pace with its maturing beauty. 2½ inch pot plants, 25 cts.; 3 inch pot plants, 10 in. high, 50 cts.
By Express: 4 inch pots, 12 to 15 inches high, \$1.00; 5 inch pots, 15 to 20 inches high, \$2.50.

Kentia Forsteriana. Of the same type and qualities as Balmoreana, equally desirable; the main difference being this variety grows taller, and has somewhat broader, heavier leaves. 2½ inch pot, 25 cts.; 3 inch pots, 10 inches high, 50 cts.

By Express: 4 inch pots, 15 to 18 inches high, \$1.00. 5 inch pots, 18 to 24 inches high, \$2.50. 8 inch pots, 48 to 52 inches high, 5 to 7 leaves, \$15.00 each.

Phoenix Roebelenii. A very graceful, dainty Palm as light and feathery as a Cocos, but as hardy as a Kentia. 2½ inch pot plants, 35 cts. each, \$3.50 per dozen.
By Express: 4 inch pot plants, 8 to 10 inches high, \$1.25; 5 inch pot plants, 12 inches high, \$2.00 each.

PANDANUS VEITCHI

Graceful curved foliage, light green striped with broad bands of pure white. An attractive decorative plant that stands ordinary house culture well and is always fresh and bright. Large plants by express: From 4 inch pots, \$1.00; from 5 inch pots, \$1.50.

PELARGONIUMS

(Lady Washington Geraniums)

A valuable class of house and garden plants related to the Geraniums, resembling them closely in character, habit and treatment. Pelargoniums revel in hot sun light, withstanding temperature and glare that would shrivel other flowers. All they ask is plenty of water. They do not grow as dense or compact as Geraniums, consequently it is advisable to pinch back the long shoots once or twice prior to their blooming season in April, thus ensuring a nicely rounded, bushy shape.

Escot. Very large white flowers with crimson blotches on upper petals and small spots on lower. Florists who handle this variety find it one of the most popular sorts for "Mother's Day" sales.

Dorothy. Flowers large; rosy salmon with dark maroon blotch on upper petals, richly shaded plum color around the throat. 30 cts.; \$3.00 per dozen.

Gardeners' Joy. This fine new variety bears probably the largest flower clusters of any kind. The ground color is apple-blossom pink, the two upper petals heavily blotched with brown.

Montebello. Dwarf, stocky; extra free bloom; medium sized flowers in compact trusses. Soft pink, with white center.

Mrs. E. H. Childs. Deep rosy pink flowers in moderation; very attractive foliage and shape.

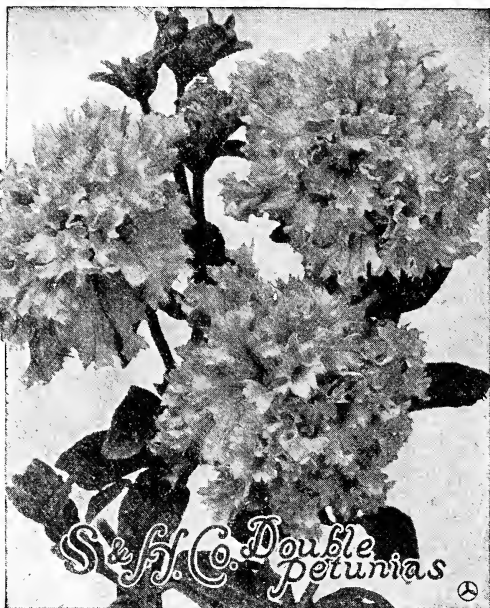
Mrs. Loyal. (The genuine "Pansy Geranium.") Rounded, satiny, exquisitely marked and colored. Its colors range from a large crimsoned chocolate center through pink to white at the edges. Growth characterized by compactness and sturdiness.

Wurtembergia. A sport from Easter Greeting. Medium sized florets; bright carmine with large velvety, sharply defined blotches.

Unless noted, 25 cts.; 3 for 65 cts.; \$2.25 per doz.



Escot



PETUNIAS

DOUBLE FLOWERED

We are listing by name, seven distinct varieties which are almost perfect balls of wrinkled petalage. They furnish an unlimited amount of bloom throughout the summer, fragrant and dainty and altogether delightful. This double flowered class will profit wonderfully from extra soil enrichment, frequent cultivation and plenty of water; they are worth extra attention.

Ethel. A strong variegation in crimson, pink and white.

Showiest of the strongly colored sorts.

Louise. Pale lavender.

Maggie. Light pink.

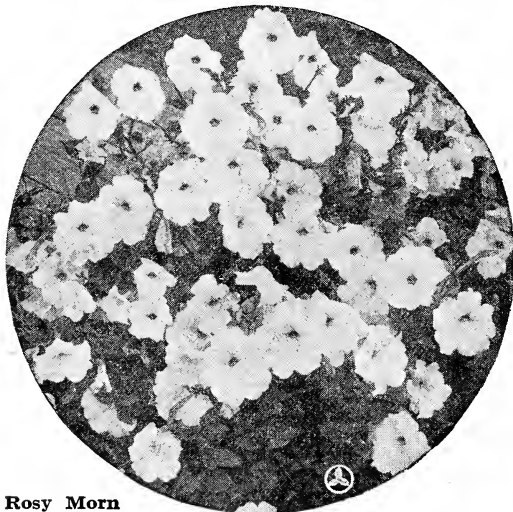
Nita. Very soft, dainty pink.

Royal Purple. Densely double; deep purple.

Snowball. This is a 3 to 4 inch fluffy ball, in constant bloom. Pure white—a beauty.

Thelma. Blush, with bright pink veining.

15 cts.; \$1.50 dozen. By express, \$10.00 per 100.



Rosy Morn

SINGLE FLOWERED

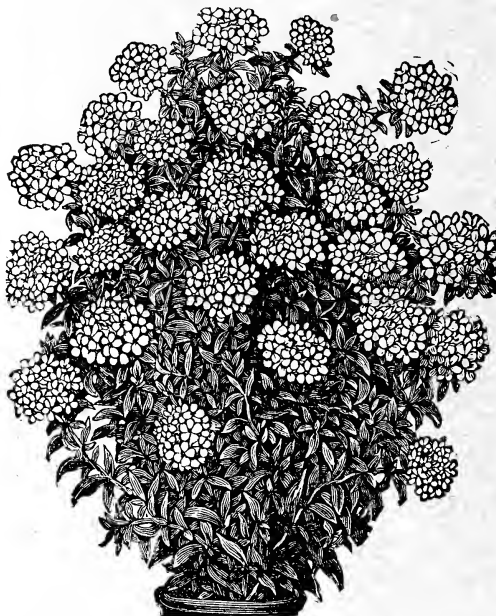
Giant Ruffled. Flowers beautifully ruffled and fringed; colors rich and gorgeous, with deep throats of various shades. Fine single mixed.

Rosy Morn. Of compact, bushy growth, fifteen inches in height, covered the entire season with one and one-half inch flowers. Throat silvery-white, outer edge heavily shaded soft rose-pink.

Triumph. A splendid new large flowering single variety of uniform growth and general superiority as a mass bedder. It is beautifully ruffled, and very conspicuous in its clear, bright cerise-pink color.

15 cts. each; \$1.50 per dozen. By Express, \$10.00 per 100.

PLUMBAGO



Shrubby plants which make good house specimens in pots or tubs, usually put out in the garden for summer rejuvenation and bloom. Being tough and thrifty, with care they may last several years and become bushes of considerable size. If interested in older plants for tubbing, it would be well to write us; we quite often have a few large specimens carried over in our greenhouses.

Capensis. Free blooming in loose umbels, florets phlox-like with long slender tubes; sky blue. 20 cts. each; \$2.00 per dozen.

Capensis Alba. Flowers creamy white. 20 cts. each; \$2.00 per dozen.

Coccinea Superba. Differing from the Capensis type in having much larger foliage which is dark, shiny green, wide, long, dense and gracefully recurving. Also, the flowers are borne in very long, slender, mostly upright racemes, the red buds close-set with only a few scattered wide open flowers at a time. The color is waxy bright coral red. 35 cts. each; \$3.50 per dozen.

PRIMULA (Primrose)

Malacoides. A vigorous type of the "Baby Primrose." Very useful for table decoration, and to furnish cut flowers for delicate bouquets. Blooms practically all the year with good sized trusses of dainty little rose lilac flowers. 20 cts. each; \$2.00 per dozen.

SANSEVIERIA ZEYLANICA

An ideal decorative plant; will stand more hardship and more abuse than any other house plant of which we know. Leaves thick and of leathery texture, not affected by gas, dust or heat. Grows to a length of three to four feet, and is beautifully striped crosswise of leaves with broad white variegations on a dark green ground. 25 cts. \$2.50 per dozen.

STROBILANTHUS DYERIANUS

An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush 18 inches high, with leaves six to nine inches long; of a beautiful metallic purple, shading into light rose, with a light green margin. The flowers are violet blue, borne in immense racemes. 25 cts. each; \$2.50 per dozen.

SWAINSONIA

Galegifolia Alba. A very popular ever-blooming house plant, blooming in sprays of 10 to 20 flowers shaped much like Sweet Peas. Its pure white flowers are used much in cut-flower work. 25 cts. each; \$2.50 dozen.

**Strobilanthus****SANCHEZIA NOBILIS VARIEGATA**

A showy warmhouse foliage plant, with smooth oblong lanceolate leaves three to nine inches long. These are plentiful, on dark red stems. The oldest leaves are very dark green, slightly toothed, the midrib purplish red confined by white gold which also more or less defines the parallel veins. The younger leaves are much lighter toned in varying degree, the foggy outlines of the veins prominently distinct, and the markedly serrated edges red. Flowers are yellow in small terminal panicles. 25 cts. each; \$2.50 per dozen.

THYRSACANTHUS RUTILANS**(Fountain Plant)**

A greenhouse plant of easy growth, and when in bloom a graceful shaped and vivid colored specimen for table decoration. Its short, tubular shaped flowers are a brilliant coppery carmine, borne profusely in pendant, close-set braids, 12 to 16 inches in length. This plant still enjoys an unabated popularity. 25 cts. each; 3 for 60 cts.

**VIOLETS**

Of all delightful perfumes, that of the Sweet Violet is the most delicate and pleasing. If grown in the house for winter flowers, they should be kept at a low temperature; they will not bloom freely where it is too warm. If left in the open ground during the winter, protect with a covering of leaves.

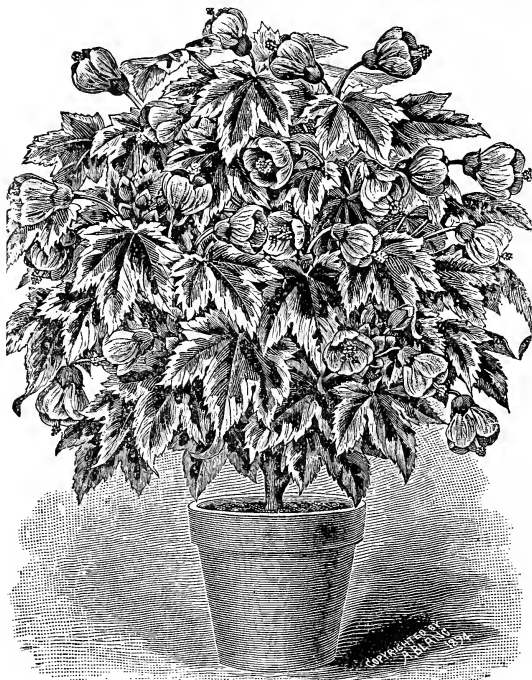
Princess of Wales. Broad Pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff long stems. One of the most beautiful and free flowering Violets. 20 cts. each; \$2.00 per doz.

VINCA

Major Variegata. More of this used for baskets and vases than there is of any other two basket plants. Beautiful variegated green and white foliage; strong trailing habit of growth; the bright blue Myrtle flowers contrasting prettily against the creamy white pattern in the leaves. 15 cts.; \$1.25 per doz. 4 inch pot plants, 30 cts.; by express, \$3.00 per dozen.

Periwinkle. Everblooming bedding plants growing to about 12 or 15 inches in height; the flowers Phlox shaped, in moderate terminal clusters. In separate colors, **rose** or **white**. 15 cts.; \$1.50 per dozen.

CONDENSED LIST of BEDDING, BASKET and VASE PLANTS



Abutilon Souvenir de Bonn

ABUTILON (Flowering Maple)

Popular as pot plants, and for summer bedding, vases and baskets. The flowers are deep bell-shaped, in various colors, solitary, well distributed over the plants, borne in profusion throughout the entire season.

Daydawn. Flowers bright daybreak pink.

Golden Bell. Tall growing, profuse in golden bloom. This is particularly good for garden show.

Savitzki. A Japanese variety that is deservedly popular as a decorating plant, its sharply variegated green and white foliage making it one of the most attractive and showy of all the pot plants. 25 cts. each, \$2.50 per dozen.

Snowstorm. Flowers pure white.

Souvenir de Bonn. Deep green maple-shaped leaves, irregularly bordered with creamy white. Very free flowering, with bright orange flowers, veined crimson. 25 cts. each, \$2.50 per dozen.

Splendens. A beautiful deep red variety, dwarf growing, with foliage a pleasing shade of green,

Thompsoni. Flowers salmon-pink, foliage blotched with yellow. 25 cts. each; \$2.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.

ACALYPHA

One of the popular types of bedding plants, combining various attractive leaf-formations with subdued but none the less effective, coloring.

PRICE: 25 cts. each; \$2.50 per dozen.

Sanderi. (Chenille Plant.) Foliage deep glossy green; the flowers being fuzzy, bright red, rope-like pendants, often 18 to 20 inches long, drooping from the axil of each leaf. They make showy specimen pot plants, and are very cheerful summer bedders.

Triumphans. Crisp, pointed, ovate leaves of light red, fantastically marbled in darker shades.

Wilkesiana. A very strong grower with the largest, broadest leaves. These are oddly and capriciously variegated in blocks, splashes, streaks, or spots, or all, in uncertain proportions. Colors range through combinations of light to very dark greens, pale red to maroon, pale yellow to bronze.

ACHYRANTHUS

Thrive in any soil; are not easily killed by frost. They make intensely bright beds, and show off splendidly in borders to taller growing plants.

Herbsti. Transparent leaves of rosy carmine, intensely brilliant; compact and dwarf growth.

McNally. Red stemmed; bright, rich green with yellow arching veins. A robust grower.

15 cts.; \$1.50 per dozen. By express, \$8.00 per 100.

AGERATUM

The flowers appear in great profusion all the season, in rounded terminal umbels, each floret a small round bur of protruding, but soft bristles. They appear to greatest value as an edging, or massed.

Frazeri. Dwarf; deep amethyst blue shaded purple.

Blue Star. Bright blue, star shaped flowers in dense clusters; even, dwarf growth not over 4 to 5 inches.

Tapis Blue. Dark and showy.

15 cts.; \$1.25 per dozen. By express, \$8 per 100.

ALTERNANTHERA

Bright, dainty little foliage plants extensively used for dwarf edging and for carpet bedding.

Aurea. Fine leaved; bright yellow touched with green.

Brilliantissima. Rather broad leaves, bushy growth; mottled bronze and cream, but mostly bright red.

15 cts.; \$1.25 per dozen. By express, \$8.00 per 100.



Acalypha Sanderi

PARIS DAISY or "Marguerite"

The Marguerites are a delight in the garden. Potted they carry nicely in bloom through the winter. Used to advantage in summer boxes.

Boston Yellow. A yellow counterpart of Nicholson's.

Mother's Favorite. Semi-double; white with distinct center of short ray petals.

Mother's Pearl. Fully double. 30 cts.; \$3.00 per doz.

Nicholson's Long-stem White. The best for cutting on account of unusual size, and length of stem.

Unless noted, 20 cts. each; \$2.00 per dozen.

FUCHSIAS

Highly prized for winter blooming, also popular for summer beds in partially shaded situations and make excellent color-spots in porch boxes and baskets.

Avalanche. Golden green foliage and large double flowers with dark purple corolla.

Black Prince. Well expanded single flowers of carmine-lake; color of calyx and corolla nearly uniform.

Little Beauty. Dwarf growing. A most free-blooming variety, seldom without flowers. Sepals carmine, corolla deep lilac. Single. 25 cts. each.

Lord Byron. A strikingly handsome variety, with calyx of cochineal red, and large, single corolla of deepest violet. 25 cts. each.

Mrs. E. G. Hill. Sepals bright crimson with large pure white corolla. Perfectly double and very free.

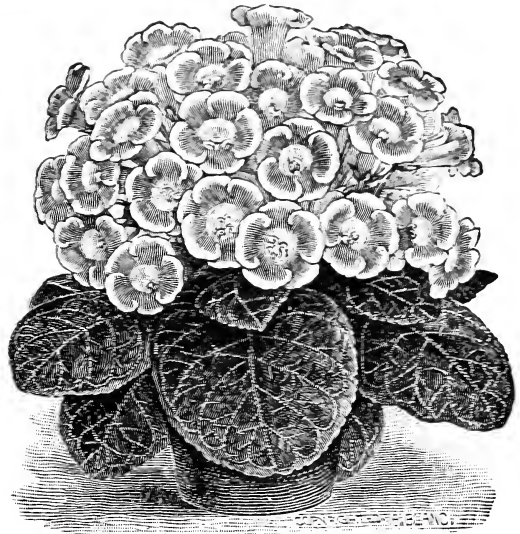
Speciosa. A thrifty grower with ornamental foliage; the green leaves showing red veins at the base. Flowers single with pale carmine sepals and deep scarlet corolla.

Unless noted, 20 cts. each; \$2.00 per dozen.



Heliotrope

GLOXINIAS



The Gloxinia has handsome large, round, hairy leaves and quantities of big flowers. Give rich, light soil and partial shade, until well started into growth. Care should be taken, in watering, not to wet the leaves, nor to allow the soil to cake. When through blooming, store in any dry, warm place for re-potting next season. **Scarlet, Scarlet Bordered, Purple and Purple Bordered**,—35 cts. each; \$3.50 per dozen.

HELIOTROPE

This altogether delightful old plant has ever been a great favorite among those who enjoy and appreciate garden perfumes, and flowers of dainty type.

Centefleur. Dwarf growing with fine, neat foliage. Flowers are deliciously fragrant, florets wide and flat, color deep true heliotrope, with conspicuous white eye. Sprays are of the largest size, completely covering the plant. 20 cts. each; \$2.00 per dozen.

Florence Nightingale. Bright lavender.

Snow Wreath. Blooms in large trusses of clean white flowers. This has perhaps the sweetest perfume of any, and mixes prettily with the blues.

Unless noted, 15 cts. each; \$1.50 per dozen.

SALVIA (Scarlet Sage)

The showiest, cheapest and most practical red obtainable, for summer beds and borders.

America. Finest and showiest of all the Salvias; the earliest, freest and most continuous bloomer. Plants grow about 15 inches high, precisely uniform, richly green; above which blaze the immense compact spikes of scarlet flowers to a maximum height of 2 feet.

Splendens. Long spikes of dazzling scarlet flowers remaining in bloom until cut down by frost.

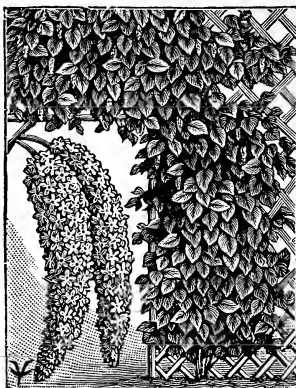
15 cts.; \$1.25 per doz. By express, \$7.00 per 100.

Pink Salvia. Very pretty garden effects may be obtained from use of this novelty, which is bushily compact, with full spikes of rich salmon pink. 20 cts. each; \$2.00 per dozen.

White Salvia. Probably few users of the familiar red Salvias, ever thought to see the type so radically changed, yet we are here offering a variety equal in size and quality to any previous sort, in color a clear cream white. 20 cts. each; \$2.00 per dozen.



Browalia



Madeira Vine



Maranta

MISCELLANEOUS PLANTS

PRICE: Unless noted, 20 cts.; \$2.00 per dozen.

Aloysia Citriodora. The well known "Lemon Verbena," noted for its delightful fragrance of foliage.

Anthericum Vitatum Variegatum. Very fine decorative plant for the house, but more valuable for urns and vases. The foliage is bright green, evenly striped and margined white.

Browalia Speciosa. A conspicuous plant, with numerous single flowers of deep indigo blue, fully two inches in diameter, blooming continually. Equally for beds, pot plants, boxes and baskets.

Cestrum Parquii. (Night Blooming Jasmine.) Waxy dark green leaves and open panicles of tubular, creamy white flowers. Although inodorous during the day, they fill the whole garden with fragrance at night.

Cuphea Tricolor. (Cigar Plant.) A bushy bedding or basket plant about 15 inches high, bearing great numbers of narrow tubular flowers, bright scarlet, purple and white tips. 15 cts. each; \$1.25 per dozen.

Cyperus Alternifolius. (Umbrella Plant.) A semi-aquatic plant in water or damp soil; throwing up stems two to three feet high, surmounted at the top with a whorl of slender drooping leaves. The flowers are small, cream-colored, in short clusters above these whorls.

Impatiens Sultana Hybrids. Seldom out of bloom, when at their best spangled with flat, single flowers, ranging from intense carmine-rose to white; against a rounded background of glossy green leaves. In separate colors, **Red, Pink, White, or Mixed.**

Parlor Ivy. *Senecio Mikanoides.* Used with striking effect to decorate interior walls, hanging baskets and urns. The foliage is a pretty, light bronze green with five to seven points; occasional yellow flowers in terminal clusters. 15 cts.; \$1.50 per dozen.

Madeira Vine. A beautiful rapid growing vine with dense foliage, fleshy, heart-shaped, light green. Numerous Mignonette-like feathery racemes of white flowers, which are pleasantly fragrant. Ordinarily hardy North if well protected by litter during the winter. Strong tubers, 15 cts. each; \$1.50 per dozen.

Manettia Vine. Completely filled at all times with small tubular flowers of brilliant scarlet, with yellow tips. Especially desirable for baskets, vases or small trellises, and much in use simply as pot plants on account of their fiery bloom.

Maranta Masangeana. Large, broad, light green leaves, distinctly mottled with heavy maroon spots. Used extensively in filling large fern dishes; or makes a very pretty effect when used with other plainer-leaved decorative plants.

Pansy Plants. Thrifty started plants already in bloom, propagated from our Superb Giant Pansy seed. Colors and markings are widely varied, and represent the largest flowered strain in cultivation. 50 cts. per dozen; \$3.50 per 100. By express, \$3.00 per 100; \$27.00 per 1000.

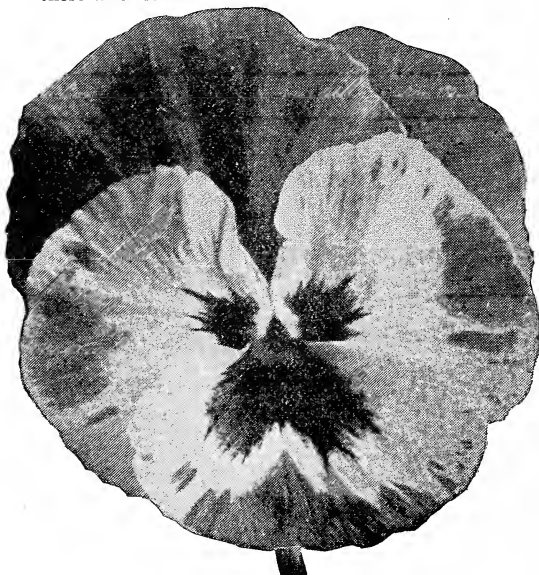
Tradescantia (Wandering Jew). Beautiful trailing vines with thick, waxy, lance-shaped, brilliantly striped foliage; very useful in baskets and porch boxes. 15 cts. each; \$1.25 per dozen.

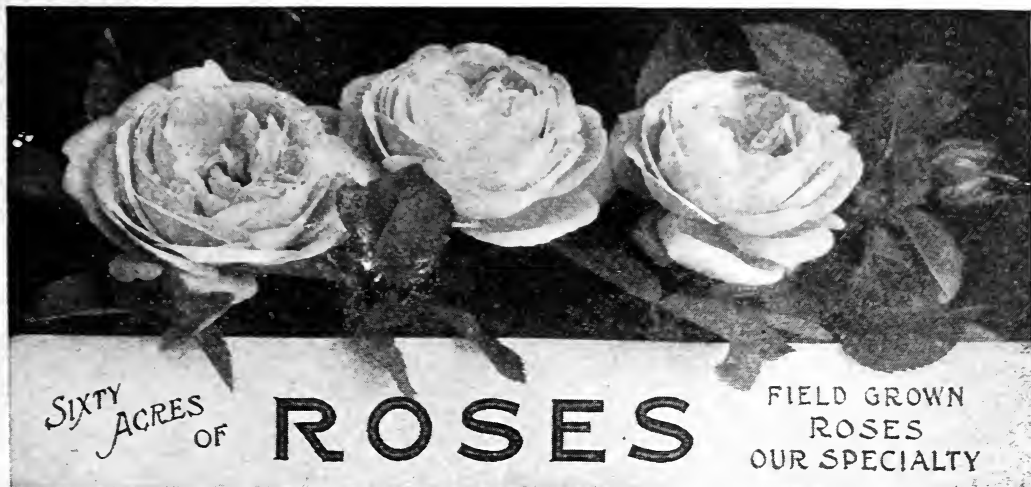
Tuberose, Excelsior Pearl. Fall flowering bulbs; long compact spikes of double white flowers, their exquisite perfume affording one of the most positive delights in our late gardens. 8 cts. each; 75 cts. per dozen. By express, \$5.00 per 100.

Verbena Plants. These are compact, showy flowering plants of considerable value for outlining beds, or as entire 15 to 18 inch high beds of solid or mixed colors. Beautiful, highly colored umbels borne very freely throughout the summer bedding season. Assorted colors in purple, scarlet, pink and white. 15 cts.; \$1.25 per dozen. By express, \$7.00 per 100.

Water Hyacinths (Pondeteria). Very interesting and beautiful, floats on the surface of the water and produces fine spikes of rosy lilac orchid-like flowers.

Water Lily (Nymphaea Odorata). The well-known white fragrant Pond Lily. 25 cts. each; \$2.50 per doz.





AS LONG as the Rose exists it will retain its dominant grip upon the affections and appreciation of the human race. Recognizing the commercial importance of this appeal and the consequent demand for supply, we have consistently developed the Rose as one of our leading specialties. We annually devote to the propagation and nurture of strong, field-grown, hardy types, from forty to sixty acres of the best rose soil which lies out-doors. Our Lake County clay and the prevailing moisture-laden breezes from Lake Erie, form a growing combination hard to beat when supplemented by the scientific treatment which our rose-specialists have learned to apply, thru the intensive experience of seventy-two years. S. & H. Roses consequently enjoy an international reputation for highest quality, development, health and hardness.

Although the bulk of our Rose production is propagated and carried two years to maturity out of doors, we still maintain a **Pot-grown** section of considerable extent; among which may be found in particular, many of the novelties which have been under test before introduction into the Field-grown lists.

BUSH ROSES CUT BACK READY TO PLANT

Yielding to the often expressed wishes of many patrons, who desire their Rose bushes cut back properly, all ready to plant, we are therefore (omitting the Climbers and Baby Ramblers, which need little pruning), furnishing all **Dormant Bush Roses to you, whether by mail or express, trimmed ready to plant.**

Order Early. To obtain the best results with spring planted Roses, they should be put into the ground as early in March as the temperature and condition of the soil will permit. Where rate is not prohibitive, we would advise ordering shipments by express; the plants will come to you more safely packed and in much livelier condition than if sent by mail or slow freight.

Treatment on Arrival. If upon arrival the roots seem to be very dry, soak them thoroughly in water; if the stems as well are too dry, bury the entire plant in the ground for two or three days. At no time after unpacking should the roots be exposed to the sun or dry winds; a very little neglect at this time working serious if not fatal injury to the bush.

Planting. In preparing a Rose Bed, select a sunny location guarded from cold north winds, if possible. Dig out the beds to a depth of two or three feet and about three feet in width; then refill the trench with a mixture of soil (any good fertile soil will do) and well rotted cow manure, making provision for good drainage if location is not naturally drained. Time should be allowed for this filling to settle, the final top surface being an inch or two below the edges of the bed. Do not raise the surface of Rose beds above the surrounding surface. They suffer less from drought when left level with the turf. Plant your Roses in the center, being very particular to press and tamp the soil firmly around the roots; and soaking the bed thoroughly at the finish. The Everbloomingers may be set 18 inches apart, the Hybrid Perpetuals about 2 feet. After the plants have been set out, keep the soil loose to the depth of an inch or two, by frequent stirrings. An occasional soaking with weak manure water is a great help to Roses of all sorts, and is especially active during the blooming season. Towards the end of July, a mulch of long-strawed manure will aid in preserving what moisture is in the soil during the customary droughts of the "Dog Days."

Protect for the Winter by covering bed at least 6 inches with leaves or manure; a binding surface of dirt, cornstalks or boughs on top. A convenient method is to confine this dressing by an enclosure of 12 inch chicken wire.

Pruning. Roses are often shipped with most of their wood, but it is a mistake on the part of many planters to put them in the ground untrimmed. The weak shoots and surplus wood are therefore removed by us before sending stock out, so that what the customer gets is all ready to plant. Hybrid Perpetual Roses should be cut back, every shoot, to about 6 to 8 inches above the crown or that above the roots where the stem begins to branch. Teas and Hybrid Teas need not be cut back quite so hard; the Polyanthas not at all unless stems are too numerous. Every Spring, usually the fore part of March, just before the leaf buds begin to swell, these classes should be treated similarly and the winter covering gradually removed. The Rugosas are pruned merely to keep their growth within bounds and to remove dead wood; the Hardy Climbers are merely trimmed, and inasmuch as their bloom comes only on wood made the season before, the safest and most beneficial time for pruning is immediately after their blooming season and before they make new summer growth. Suckers from the Manetti stock should be cut off at once, and may be recognized by a difference in color and arrangement of seven leaves, instead of five, as in almost all varieties of Roses. Do not be afraid of the knife; the flowers will be larger and richer in color, and the bed more sightly.

Capacity of Rose Beds. Although in warm localities, where plant growth is luxurious, a greater interval is necessary, 18 inches apart is generally accepted as the proper spacing. On this basis, beds 4½ feet wide will take three rows, and if six feet long will require a dozen plants. Or a dozen plants would occupy a 3-foot bed with two rows nine feet long. Delightful arrangements in odd shapes, and by combination of various classes, may be worked out according to the individual planter's fancy and ingenuity.

PRICE LIST OF HARDY FIELD-GROWN ROSES



Abbreviations: "T." means Tea, an extensive class of tea scented everblooming roses; usually available only as hot-house or pot plants. "H. T." means Hybrid Tea, hybrids of Tea roses, generally hardier, larger flowered and good for outdoor planting. "H. P." means Hybrid Perpetual, hardy field roses blooming normally but a short time, in June and July. "H. C." means Hardy Climber, hardy outdoor trellis roses, including the modern "Ramblers." "Poly." means Polyantha, usually small flowered cluster roses of dwarf growth and long blooming season (includes the so-called "Baby Ramblers"). "Pern." means Pernetiana, hybrids derived from combining various classes by the celebrated M. Pernet. "R." means Rugosa, and "R. H." means its Hybrids, a valuable class of a shrubby nature for landscaping. "M." means Moss, of short season, but uniquely mossed on its flower stems. "W. H." means Wichuriana Hybrids, varieties of the Memorial or Creeping Roses. The "Wild" roses are cultivated plants of the native types.

2-Year Field Grown Roses			MAIL			EXPRESS		
VARIETIES	P.	Class	Ea.	10		Ea.	10	100
Agnes E. Carman...	101	R.H.	\$0.85	\$ 8.00		\$0.80	\$ 7.50	\$70
Alberic Barbier...	98	H.C.	.85	8.00		.80	7.50	70
Albertine...	93	H.C.	1.50	14.50		1.45	14.00	
Alexander Hill Gray...	94	T.	1.00	9.50		.95	9.00	
American Beauty...	94	H.T.	.90	8.50		.85	8.00	
American Pillar...	98	H.C.	.85	8.00		.80	7.50	70
Angelus...	94	H.T.	.90	8.50		.85	8.00	
Anthony Waterer...	101	R.H.	.85	8.00		.80	7.50	70
Aspirant M. Rouyer...	91	H.T.	2.50	24.00		2.40	23.00	
Aviateur Blierot...	98	H.C.	.85	8.00		.80	7.50	
Baby Rambler...	100	Poly.	.80	7.50		.75	7.00	65
Baby Tausendschon...	100	Poly.	.85	8.00		.80	7.50	70
Bessie Brown...	94	H.T.	.90	8.50		.85	8.00	
Betty...	94	H.T.	.90	8.50		.85	8.00	
Betty Upchurch...	91	H.T.	1.50	14.00		1.40	13.00	
Blanche Moreau...	100	M.	.85	8.00		.80	7.50	
Bonnie Prince...	93	H.C.	2.00	19.00		1.90	18.00	
Capt. Hayward...	97	H.P.	.80	7.50		.75	7.00	65
Capt. Kilbee-Stuart...	91	H.T.	1.50	14.00		1.40	13.00	
Carolina...	101	Wild	.75	7.00		.70	6.50	
Chas. Fred'k Worth...	101	R.H.	.85	8.00		.80	7.50	
Chateau de Vougeot...	94	H.T.	1.00	9.50		.95	9.00	
Chatillon Rose...	100	Poly.	.90	8.50		.85	8.00	75
C. K. Douglas...	94	H.T.	1.25	12.00		1.20	11.50	
Climbing Am. Beauty...	98	H.C.	.85	8.00		.80	7.50	70
Columbia...	94	H.T.	.85	8.00		.80	7.50	
Conrad Ferd. Meyer...	101	R.H.	.85	8.00		.80	7.50	
Countess Clanwilliam...	94	H.T.	1.00	9.50		.95	9.00	
Countess of Murinais...	100	M.	.85	8.00		.80	7.50	
Crimson Rambler...	98	H.C.	.80	7.50		.75	7.00	65
Crown Princess...								
Cecilia...	94	H.T.	.85	8.00		.80	7.50	
Crusader...	94	H.T.	.90	8.50		.85	8.00	
Debutante...	101	W.H.	.80	7.50		.75	7.00	
Diadem...	91	H.T.	1.50	14.50		1.45	14.00	
Doctor Van Fleet...	99	H.C.	.80	7.50		.75	7.00	65
Dorothy...								
Page-Roberts...	94	H.T.	1.00	9.50		.95	9.00	
Dorothy Perkins...	98	H.C.	.75	7.00		.70	6.50	60
Duchess of Wellington...	94	H.T.	.90	8.50		.85	8.00	
Earl Haig...	91	H.T.	2.00	19.00		1.90	18.00	
Eblouissant...	92	Poly.	1.25	12.00		1.20	11.00	
Eclairte...	94	H.T.	.85	8.00		.80	7.50	
Edel...	91	H.T.	2.00	19.00		1.90	18.00	
Edward Mawley...	94	H.T.	1.00	9.50		.95	9.00	
Elvira Aramayo...	91	H.T.	2.50	24.00		2.40	23.00	
Emily Gray...	93	H.C.	1.00	9.50		.95	9.00	
Erna Teschendorf...	100	Poly.	.80	7.50		.75	7.00	65
Etoile de France...	94	H.T.	.90	8.50		.85	8.00	
Eugene Furst...	97	H.P.	.80	7.50		.75	7.00	65
Eugene Jayquet...	99	H.C.	.80	7.50		.75	7.00	65
Evergreen Gem...	101	W.H.	.80	7.50		.75	7.00	
Excelsa...	99	H.C.	.75	7.00		.70	6.50	60
F. J. Grootendorst...	101	R.H.	1.00	9.00		.90	8.50	80
Florence Forrester...	94	H.T.	1.00	9.50		.95	9.00	
Flower of Fairfield...	99	H.C.	.90	8.50		.85	8.00	75
Frau Karl Druschki...	97	H.P.	.85	8.00		.80	7.50	70
Gen. Jacqueminot...	97	H.P.	.80	7.50		.75	7.00	65
Gen. MacArthur...	94	H.T.	.85	8.00		.80	7.50	70
Gen.-Sup. A. Jansson...	94	H.T.	.85	8.00		.80	7.50	70
George Arends...	97	H.P.	.85	8.00		.80	7.50	70
Geo. C. Waud...	94	H.T.	.90	8.50		.85	8.00	
Glory of Mosses...	100	M.	.85	8.00		.80	7.50	
Golden Emblem...	94	H.T.	1.00	9.50		.95	9.00	
Gold Finch...	99	H.C.	.80	7.50		.75	7.00	
Gorgeous...	95	H.T.	1.00	9.50		.95	9.00	
Greta Kluis...	100	Poly.	.90	8.50		.85	8.00	
Grete Schreiber...	100	Poly.	.90	8.50		.85	8.00	
Gruss an Aachen...	100	Poly.	.90	8.50		.85	8.00	
Hadley...	94	H.T.	.85	8.00		.80	7.50	70
Hansa...	101	R.H.	.85	8.00		.80	7.50	70
Hiawatha...	99	H.C.	.80	7.50		.75	7.00	65
Hugonis...	99	Briar	1.00	9.50		.95	9.00	
H. V. Machin...	95	H.T.	1.00	9.50		.95	9.00	
Ideal...	100	Poly.	1.00	9.50		.95	9.00	
Indiana...	95	H.T.	.90	8.50		.85	8.00	
Jacotte...	99	H.C.	1.00	9.50		.95	9.00	
Jessie...	100	Poly.	.85	8.00		.80	7.50	
Jkhr. J. L. Mock...	95	H.T.	.80	7.50		.75	7.00	
John Hopper...	97	H.P.	.80	7.50		.75	7.00	
2-Year Field Grown Roses			MAIL			EXPRESS		
VARIETIES	P.	Class	Ea.	10		Ea.	10	100
Jubilee...	97	H.P.	\$0.80	\$ 7.50		\$0.75	\$ 7.00	\$65
Kaiserin A. Victoria...	95	H.T.	.90	8.50		.85	8.00	
Killarney...	95	H.T.	.85	8.00		.80	7.50	70
Lady Alice Stanley...	95	H.T.	.90	8.50		.85	8.00	
Lady Ashdown...	95	H.T.	.90	8.50		.85	8.00	
Lady Inchiquin...	92	H.T.	2.00	19.00		1.90	18.00	
Lady Reading...	92	Poly.	1.25	12.00		1.20	11.00	
Lady Ursula...	95	H.T.	.85	8.00		.80	7.50	70
La Fayette...	100	Poly.	.90	8.50		.85	8.00	75
La Tosca...	95	H.T.	.90	8.50		.85	8.00	
Laurent Carle...	95	H.T.	1.00	9.50		.95	9.00	
Los Angeles...	95	H.T.	1.00	9.50		.95	9.00	
Lulu...	92	H.T.	1.50	14.50		1.45	14.00	
Mabel Morse...	92	H.T.	2.50	24.00		2.40	23.00	
Madame Butterfly...	95	H.T.	.85	8.00		.80	7.50	70
Mad. C. Testout...	95	H.T.	.85	8.00		.80	7.50	70
Mad. Edouard Herriot...	96	Pern.	1.00	9.50		.95	9.00	
Mad. Jules Grolez...	95	H.T.	.90	8.50		.85	8.00	
Mad. M. Delanney...	95	H.T.	.90	8.50		.85	8.00	
Magna Charta...	97	H.P.	.80	7.50		.75	7.00	65
Marshal P. Wilder...	97	H.P.	.80	7.50		.75	7.00	
Mary Wallace...	99	H.C.	1.00	9.50		.95	9.00	
Mermaid...	93	H.C.	1.75	17.00		1.70	16.50	
Milady...	95	H.T.	.90	8.50		.85	8.00	
Miss Cynthia Forde...	95	H.T.	.90	8.50		.85	8.00	
Miss Lolita Armour...	95	H.T.	1.25	12.00		1.20	11.50	
Mrs. Aaron Ward...	95	H.T.	1.00	9.50		.95	9.00	
Mrs. Beckwith...	92	H.T.	2.00	19.00		1.90	18.00	
Mrs. Chas. Bell...	95	H.T.	1.00	9.50		.95	9.00	
Mrs. C. W. Thompson...	99	H.C.	.80	7.50		.75	7.00	65
Mrs. H. R. Darlington...	92	H.T.	2.00	19.00		1.90	18.00	
Mrs. J. C. Ainsworth...	92	H.T.	2.00	19.00		1.90	18.00	
Mrs. J. H. Laing...	97	H.P.	.80	7.50		.75	7.00	65
Mrs. Prentiss Nichols...	92	H.T.	1.50	14.50		1.45	14.00	
Mrs. Redford...	92	H.T.	2.00	19.50		1.95	19.00	
Mrs. S. K. Rindge...	95	H.T.	1.00	9.50		.95	9.00	
Mrs. W. C. Miller...	95	H.T.	1.00	9.50		.95	9.00	
Multiflora Japonica...	101	Wild	.75	7.00		.70	6.00	55
Old Gold...	96	H.T.	1.00	9.50		.95	9.00	
Opheia...	96	H.T.	.85	8.00		.80	7.50	
Orleans...	100	Poly.	.85	8.00		.80	7.50	
Padre...	92	H.T.	1.25	12.00		1.20	11.50	
Paul Neyron...	97	H.P.	.80	7.50		.75	7.00	65
Paul's Scarlet Climber...	93	H.C.	.80	7.50		.75	7.00	65
Pink Roamer...	101	W.H.	.80	7.50		.75	7.00	
Premier...	96	H.T.	.85	8.00		.80	7.50	
Pres. Cherioux...	92	H.T.	2.00	19.00		1.90	18.00	
Prince C. de Rohan...	97	H.P.	.85	8.00		.80	7.50	70
Princess Juliana...	92	H.P.	1.00	9.50		.95	9.00	
Priscilla...	96	H.T.	1.00	9.50		.95	9.00	
Radiance...	96	H.T.	.90	8.50		.85	8.00	
Red Radiance...	96	H.T.	.90	8.50		.85	8.00	
Red Letter Day...	96	H.T.	.90	8.50		.85	8.00	
Red Orleans...	100	Poly.	.90	8.50		.85	8.00	
Roserie...	99	H.C.	.90	8.50		.85	8.00	
Rugosa Alba...	101	R.	.90	8.50		.85	8.00	
Rugosa Rubra...	101	R.	.80	7.50		.75	7.00	65
Salet...	100	M.	.85	8.00		.80	7.50	
Setigera...	101	Wild	.75	7.00		.70	6.50	60
Silver Moon...	99	H.C.	1.00	9.50		.95	9.00	
Soleil d'Or...	96	Pern.	1.00	9.50		.95	9.00	
So. Orange Perfection...	101	W.H.	.80	7.50		.75	7.00	
Souv. de C. Pernet...	93	Pern.	1.50	14.50		1.45	14.00	
Souv. de G. Pernet...	93	Pern.	1.50	14.50		1.45	14.00	
Souv. de G. Beckwith...	93	Pern.	2.00	19.50		1.95	19.00	
Souv. de H. A. Verschuren...	92	H.T.	1.50	14.50		1.45	14.00	
The Queen Alexandra...	92	H.T.	1.50	14.50		1.45	14.00	
Triomphe Orleansaise...	100	Poly.	.95	9.00		.90	8.50	
Una Wallace...	96	H.T.	1.00	9.50		.95	9.00	
Veilchenblau...	99	H.C.	.85	8.00		.80	7.50	
White Baby Rambler...	100	Poly.	.85	8.00		.80	7.50	
White Dorothy...	99	H.C.	.80	7.50		.75	7.00	65
White Killarney...	96	H.T.	.85	8.00		.80	7.50	
White Opheia...	96	H.T.	.90	8.50		.85	8.00	
Wichuriana...	101	W.	.80	7.50		.75	7.00	
Wilhelm Kordes...	92	H.T.	2.50	24.00		2.40	23.00	
Wm. F. Dreer...	96	H.T.	1.50	14.50		1.45	14.00	
Wm. R. Smith...	96	T.	.85	8.00		.80	7.50	
Willowmere...	96	Pern.	1.00	9.50		.95	9.00	

THE S. & H. CO. "COVER COLLECTION" OF FIVE CHOICE ROSES

Our front cover once again advertises Roses, a group of five distinct varieties which you must agree are worthy. Two shades of pink, red, white and yellow. These are tested kinds, which we can heartily recommend for continuous bloom in any garden of the temperate zone.

1. Columbia. (H.T.) True, deep pink. See description on P. 94.

2. White Killarney. (H.T.) Ivory to pure white. See description on P. 96.

3. Souv. de H. A. Verschuren (H.T.) Yellow. See "Novelties," P. 92.

4. Madame Butterfly. (H. T.) Pink. See page 95.

5. Charles K. Douglas. (H.T.) Brilliant red. See description P. 94.

Regardless of individual prices, we offer the complete set of 5 varieties (1 each): By mail for \$5.00 (postpaid); by express (not prepaid) for \$4.75. 10 each (50 plants) by express for \$45.00.

NOVELTY ROSES

(Prices given are for 1 plant, by mail. See P. 90)

NEW HYBRID TEA ROSES.

Aspirant Marcel Rouyer. Flowers very large and full, from long pointed buds. Coloring rich; the dominant note being apricot, a congestion of red at center and dispersion to salmon-flesh at the edge, all petals heavily veined yellow at base. Vigorous grower, and dependably free-bloomer. \$2.50.



Betty Upchurch. One of those delightfully contrastive types; the outside a blend of deep toned carmine with coppery orange; the interior being mostly a delicate salmon pink. Strong garden variety, sweetly fragrant. \$1.50.

Capt. Kilbee-Stuart. Another fine new red — rich, glowing, velvety, crimson shaded scarlet. The petals are massive and numerous, in close formation. \$1.50.

Diadem. A beautiful intermingling of various color tones; orange salmon, copper and yellow being overlaid on deepest crimson. The large, full, perfect flowers are sweetly scented, and plant growth extra vigorous. \$1.50.

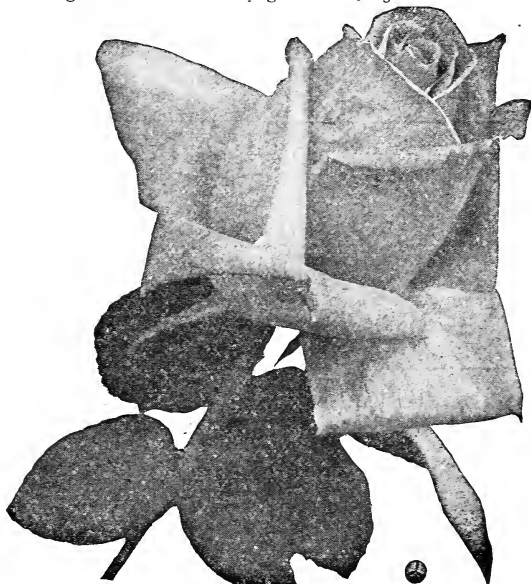
Edel. Surely best of all recently introduced whites, perhaps ever, in hybrid teas. The flowers are of noble size, deep, close-centered, with many petals; ivory at base but otherwise purest white,



the broad roll of the edges frost like. One of the surest and most continuous bloomers, with satisfactory growth and foliage. \$2.00.

Earl Haig. A type rare among red roses, and so of obvious interest to the selective buyer. Outside of its fragrance, freedom and unfading cherry-crimson color; the thick rolling petalage, and permanent high-built center, fix its superiority over less compact varieties. A splendid associate with the white "Edel." \$2.00.

Elvira Aramayo. A flaming, arresting color newly applied to roses, as "Indian red." This seems to be a unique association of orange-carmine, with tones of madder, salmon, and pink. The buds are long and pointed, plentiful, opening into large flowers of cactus shape with some quilled petals; a showy garden type, with straight stems and bushy growth. \$2.50.



Elvira Aramayo

NEW HYBRID TEAS

—Continued

**Lulu.**

Of particular value and beauty in bud form, they being abnormally

long and substantial, with a swarthy orange red color. The flowers open up semi-

double or single, brightened by an overflow of salmon pink, the general effect reminding of Mme. E. Herriot. \$1.50.

Lady Inchiquin. A vivid garden variety of solid color, orange vermillion brilliant by cerise. The flowers are somewhat open, with curled petals; but are large, very free and continuous. \$2.00.

Mabel Morse. A true yellow rose, of bright golden shade unmixed with any other, more permanent than most yellows. Beautifully formed, moderate sized flowers unfold from attractive long buds; the growth is adequate, with handsome, glossy, dark foliage practically immune to disease. \$2.50.

Mrs. Beckwith. Buttercup yellow, graduating lighter towards the edge. Good buds, and medium sized flowers of perfect form. Growth erect and thrifty, foliage glossy light green, and stems practically thornless. \$2.00.

Mrs. H. R. Darlington. Very shapely buds and flowers of large size and full petalage, waxy cream-white tinged with yellow at base, fragrant, free-blooming. Plant growth upright, branching and vigorous. \$2.00.

Mrs. J. C. Ainsworth. A counterpart in every way except color, to its famous parent "Mrs. Charles Russell." The buds are daintily pretty—warm peach blossom pink tipped mauve-white—the opened flowers revealing an almost crimson heart. \$2.00.

Mrs. Prentiss Nichols. Exceptionally strong growing and sturdy, with dark, leathery foliage. The flowers are large, well-formed and double, borne profusely; brilliant, deep pink. \$1.50.

Mrs. Redford. This is a fine new rose, distinctive and desirable. Unusual varnished, healthy foliage; sturdy, upright

growth; and profuse, fragrant bloom. The flower construction unites grace, beauty and substance, its coloring a radiant apricot-orange. \$2.00.

Padre. An intensified Mme. E. Herriot with a bettered construction; its remarkable freedom and long stems not only accenting a garden brilliancy, but ensuring its utility for cutting. Coppery red, flushed yellow at base. \$1.25.

Pres. Cherioux. Very large, full, globular flowers borne freely on long stems, amidst attractive bronze green foliage. The rich, warm coloring is prawn-red deepening to coral-red at center, with a strong yellow glow at base of the petals. \$2.00.

Souv. de H. A. Verschuren. An ideal bedding type of vigorous, branchy growth, free bloom, and strong resistance to mildew, black spot and other garden ailments. The buds are long and very pretty for cutting, opening out into very full double flowers of pleasing shape and substance. The color is two-toned yellow; apricot or cadmium at center, diminishing to saffron and straw color towards the edges. \$1.50.

(See color illustration, in set, on front cover.)

The Queen Alexandra Rose

The shapely, fragrant flowers of this new variety are at once brilliant and refined; beautiful in every stage, but perhaps at their best when but half-blown. Intense vermillion petals arise from a base of purest orange, their undersurface heavily suffused with old gold. Their rolling ends and varying angles as the flower unfolds, thus create a bewildering combination of strong, but delightfully blending, color shades. \$1.50.

Wilhelm Kordes. A magnificent product from crossing "Ophelia" with "Gorgeous"; the exquisite form and blooming character an augmented inheritance from the one, the voluptuous coloring attributable to the latter. The plant is healthy, with strong, straight shoots and gleaming masses of reddish leaves. The abundant bloom is golden yellow flushed with orange and copper-red, when fresh; but a veritable sunset at the close, with a broken background, and straggling rays of red. \$2.50.

NEW POLYANTHA ROSES

Eblouissant. This new clustered variety shows the darkest color of any yet produced; brilliant, deep, velvety red without fading, a solid one-color. The growth is vigorous and erect, although compact; the bloom of good size, of great freedom and persistence. \$1.25.

Lady Reading. The splendid forcing and bedding type so well known and appreciated in "Ellen Poulsen," is carried on in another shade by this new variety, with even larger and more perfect flowers, the color a strong unmixed, unfading cherry red. \$1.25.

Princess Juliana. This variety is brand new and a distinct sensation wherever exhibited. Outdoors, it is just another good, pretty pink and white dwarf bedder, of satisfactory habit and growth. But indoors, forced for sprays or for pot-bloom, its beauty is irresistible. A dainty combination of maiden-blush, peach pink and ivory, the florets prettily waved and strung along the much-branched sprays in joyous abandon. \$1.00.

NEW PERNETIANA ROSES

Souv. de Claudius Pernet.

This fine variety maintains its reputation as the most reliable and strongest yellow rose ever introduced. Its color is a decided and unstained sunflower yellow even deeper toned at center. Unlike most yellows, hot weather and exposure have little effect upon its pigments; the matured flower gleaming as richly as when first unfolding. Its flower form is large and full, the buds long and pointed. Vigorous, erect and branching, with brilliant foliage and long, substantial stems. \$1.50.

Souv. de Georges Pernet.

This is the latest American-tested masterpiece from Pernet-Ducher's floral treasure house. The variety expresses bulk and solidarity, from the stout stems and branching stubby plants; to the round, thick buds; and deliberate unfolding into immense, multi-petaled, globular flowers of good substance, fragrance and tenacity. The color is a cheerful succession of reds — from orient to cochineal to carmine edge — the whole made brilliant by a golden sheen. \$1.50.

Souv. de George Beckwith.

Flowers are large, full, globular and long-lasting, on good stiff stems; deep golden yellow at the base, terminating in shrimp pink, the intermediate surface overlaid chrome yellow. Apparently a healthy type and vigorous grower. \$2.00.

NEW HARDY CLIMBING ROSES

Albertine. A vigorous climber with

glossy dark foliage, producing an abundance of sweetly scented, moderately double flowers about four inches in diameter. Their color is variable, in successive combinations of copper, chamois, salmon and pink; with a silvery overcast. \$1.50.

Bonnie Prince. A beautiful new hardy climber of great promise, particularly welcome because good whites are so rare in this class. It is vigorous and free-blooming, with prettily ruffled flowers of good size, very similar to "Paul's Scarlet Climber," except its color is untinted snow white. \$2.00.

Emily Gray. Unique foliage, thick, dark and glossy, the youngest leaves and twigs bright crimson. A vigorous grower, producing normal clusters of ten rather large flowers. The wonder of it, however, is its flower color; true, full yellow, strong in the bud, a shade or two lighter when full-blown. Needs special protection in our latitude, against zero weather. \$1.00.

Mermaid. Actually a *bracteata* hybrid type, equally successful as a pillar rose, or trained into a door-yard bush. Its bloom is generous in quantity, intermittently continuous; single, 3 to 4 inches wide, pure sulphur yellow emphasized by the heavy protruding amber stamens at center. Needs special winter protection in this latitude. \$1.75.

Paul's Scarlet Climber. Winner of gold medal as best new climbing Rose, at National Rose Society's Exhibition. Flowers are scarlet, shaded crimson; large, semi-double. Corresponds with Cl. Am. Beauty, Dr. Van Fleet, etc., as to size, shape and habit. Blooms very long, holding in flower after many June bloomers have dropped their petals; a wonderful Rose for trellis or pergola use. 80 cts.





TEA AND HYBRID TEA TWO-YEAR FIELD GROWN ROSES



A careful selection of choice, well known and new Garden Roses which, although classed as hardy, should be given winter protection in the North. These types are popularly termed "**Everblooming Roses.**" By this no one expects them to bloom continuously, but as compared with the Hybrid Perpetuals and other classes, their blooming activities extend over the longest period. As Garden Roses, they usually commence in June, continuing their bloom until Autumn frosts suspend the flow of sap. The few Tea varieties are so noted.

PRICE Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 RATE is 5 cts. less in each case. The 85 ct. varieties are \$70.00 per 100 by express.

GENERAL COLLECTION OF VARIETIES

Alexander Hill Gray. (Tea). Clear lemon-yellow bleaching to white, with perfect foliage, moderate growth and fine double flowers. \$1.00.

American Beauty. Probably the widest known and most prized cut flower among all American Roses. Deep pink approaching crimson, of exquisite form and fragrance, and large size. 90 cts.

Angelus. A recent novelty which combines the perfume, contours, and most pleasing qualities of both Ophelia and Columbia; except their colors are drained away, leaving only the ivory white. 90 cts.

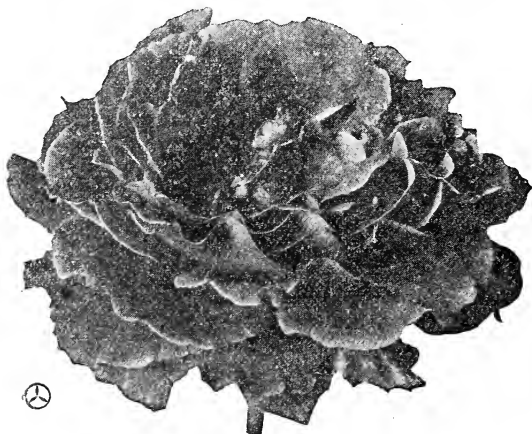
Bessie Brown. White, flushed with flesh pink. 90 cts.

Betty. An Irish beauty, radiant in gold and rose. 90c.

Charles K. Douglas. An English rose of vigorous upright growth, and liberal, fragrant bloom which is of delightful form. Color, a flaming scarlet flushed with velvety crimson. (See illustration in color on front cover). \$1.25.

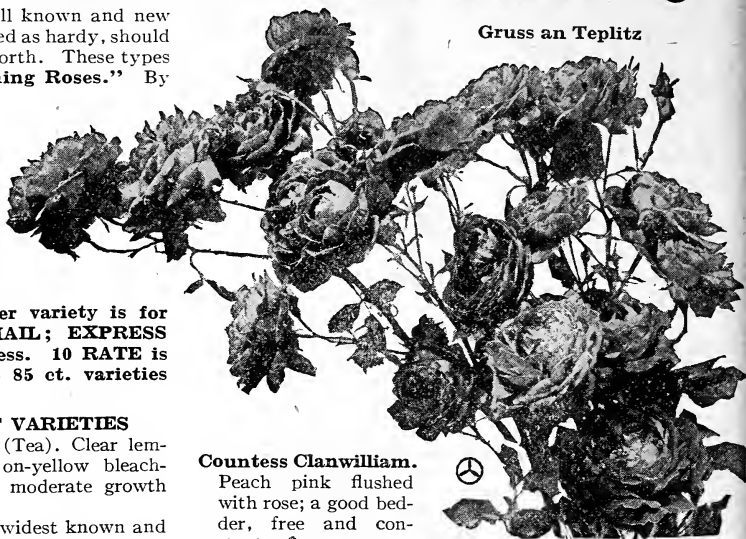
Chateau de Clos Vougeot. This is one of those lovely shaded reds so dark as to suggest the richness of velvet. It is sweetly fragrant and a very continuous bloomer. Rather dwarf growth. \$1.00.

Columbia. A beautiful, true pink; deepening as it matures to a warm, glowing tone, which is enduring. Its double petalage, size and substance make it a great bedding and cutting rose. (See illustration in color on front cover). 85 cts.



H. V. Machin—See page 95

Gruss an Teplitz



Countess Clanwilliam.

Peach pink flushed with rose; a good bedder, free and constant. \$1.00.

Crown Princess Cecilia. Full shapely buds of deep salmon open out to flowers of very large size and attractive form; an exquisite gradation of coral pink shades to a warm, deep salmon heart. 85 cts.

Crusader. Of recent introduction, a well-formed, broad-petaled rose of enduring substance; richly shaded crimson red. 90 cts.

Dorothy Page-Roberts. Large, globular blooms of coppery pink, daintily suffused with apricot and yellow. Hardy and free flowering. \$1.00.

Duchess of Wellington. Intense saffron yellow. Fine, strong-featured Rose familiarly called "Orange Kilmarney." 90 cts.

Ecarlate. Makes a brilliant color show thruout the entire season, as a bedder, with its masses of semi-double flowers in dazzling scarlet touched here and there with carmine. 85 cts.

Edward Mawley. Big deep-petaled flowers of strong fragrance, especially attractive early in the season; brilliant crimson. \$1.00.

Etoile de France. Velvety garnet-red cup, with center of vivid cerise. Flowers very large and full, with marked imbrications. Fragrance and sturdy growth especially recommend it as a garden Rose. 90 cts.

Florence Forrester. Just a touch of primrose on the unfolding buds, but the opened, high-built flowers are snowy white. A fine exhibition or bedding rose, of large size and free bloom. \$1.00.

General MacArthur. Dazzling crimson scarlet exquisitely perfumed. One of the grandest red Roses ever offered, either for cutting or bedding. 85 cts.

General-Superior A. Janssen. Glowing, deep carmine-red; large, full, fragrant and continuous bloom coupled with vigorous and compact growth. 85 cts.

Geo. C. Waud. Of heavy substance and retained fullness, at its best in the earliest season and in autumn. Color is brilliant vermillion overcast by orange. 90 cts.

Golden Emblem. Beautifully formed long buds opening up into fine, fragrant, golden flowers. The color is rich, a yellow cadmium toning to sunflower yellow. A splendid yard and garden type, blooming profusely and continuously throughout the season. \$1.00.

Gruss an Teplitz. Intense depth and richness of color; velvety crimson-red. 85 cts.



HYBRID TEA ROSES—Continued

Gorgeous. Flowers very large, full and exquisitely formed, produced in endless profusion. Deep orange flushed copper-yellow, and heavily veined with reddish copper. \$1.00.

Hadley. Superb flowers and dependable bushy growth; color deep, velvety crimson-scarlet. \$1.00.

H. V. Machin. Intense scarlet-crimson; black-stained and velvety; large, full and high centered. This is one of the richest colored of the red ever-bloomers. \$1.00.

Indiana. Deep pink slightly tinged with orange; a delightful color tone expressed in shapely flowers of large size on vigorous plants. 90 cts.

Jonkheer J. L. Mock. Vigorous in growth and hardy, with long smooth canes and great freedom of bloom. Flowers are round and full, bright pink faced carmine. A splendid bedder. 90 cts.

Kaiserin Augusta Victoria. Full double flowers; delicate creamy white; deliciously fragrant. 90 cts.

Killarney. Queen of the Irish Roses, of exquisite form and fragrance. Bright carmine-pink, marbled in creamy white, with petals large and durable, the buds extremely long. 85 cts.

Lady Alice Stanley. Shell-shaped petals of deep coral rose outside, interior delicate flesh suffused pink. A persistent and free bloomer, one of the most satisfactory general utility pink roses in the list. 90 cts.

Lady Ashtown. Tender rose shading to yellow at base of petals with silvery pink reflex. 90 cts.

Lady Ursula. Plant a strong grower, producing an abundance of large, well formed blooms with thick petals, apparently unmindful of any seasonable differences; smooth, clean, flesh pink with little noticeable shading. 85 cts.

La Tosca. Silvery pink with deeper center. 90 cts.

Laurent Carle. Brilliant, velvety carmine. Flowers very large, of perfect form and intense fragrance. \$1.

Los Angeles. One of the grandest all-round Roses of American origin ever put on the market. Flowers large and continuous, in color a flame pink, toned with coral and shaded with translucent gold at the base of the petals. \$1.00.

Madame Butterfly. A symphony of white and gold. Compared with Ophelia, this derivation is fuller-petaled, more prolific, and of greater color appeal. The buds are a rich Indian red, yellow at base. (See illustration on front cover). 85 cts.

Mad. Caroline Testout. Seldom out of bloom, beautiful, light salmon-pink, edged silvery rose. 85c.

Mad. Jules Grolez. A good cutting rose of large size; very deep rose pink. Extra hardy and healthy. 90 cts.

Mad. Marcel Delannay. Tender rose color shaded with hydrangea-pink. Flowers large, full and fragrant, borne with satisfying freedom. 90 cts.

Milady. Of moderate size and growth; bright crimson scarlet, much darker in the bud. 90 cts.

Miss Cynthia Forde. A placid, maidenly pink varying only in the definite condensation at margin and a lighter rose shade on the reverse. Of generous size and full, each petal laid primly in place; the fragrance noticeably sweet and refreshing. 90 cts.

Miss Lolita Armour. Winner of the coveted Bagatelle gold medal in 1921. The flowers are of large size, fully double, deliciously fragrant, with petals of great substance, the basic color being deep coral with a golden and coppery red suffusion; the base of petals a rich golden yellow with copper-red sheen. \$1.25.

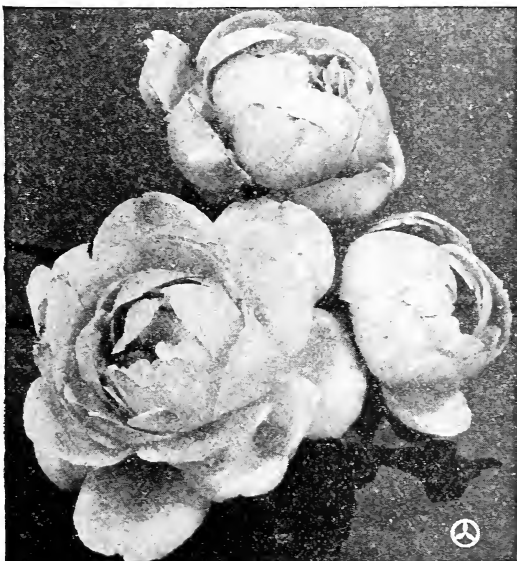
Mrs. Aaron Ward. Buds are deeply cupped. Color, deep golden orange, shading to creamy yellow. This popular variety has long been the standard yellow, small-budded "corsage rose" for our American women. \$1.

Mrs. Chas. Bell. Soft shell pink with a salmon background. It retains its full globular shape an unusually long period. \$1.00.

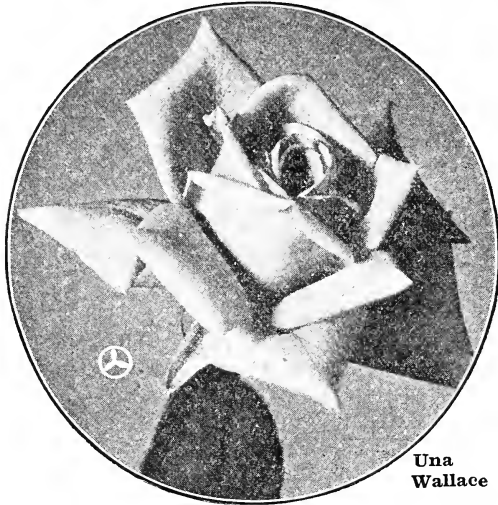
Mrs. S. K. Rindge. A striking type varying from full cup shape at first, a nearly solid canary yellow; to flat distended petals, each broadly banded and suffused with carmine pink. \$1.00.

Mrs. Wakefield Christie-Miller.

Large, globular, peony-flowered bloom little affected by the blistering sun; early and continuous, of special value as a reliable garden rose. Delicately blushed pearl with salmon shadings; the outside a warm suffusion of rose and vermillion. \$1.00.



Mrs. Wakefield Christie-Miller



Una
Wallace

HYBRID TEA ROSES—Concluded

Old Gold. A sweet scented, semi-double, free flowering type of vigorous growth; very rich red-orange modified by burnished copper and apricot. \$1.00.

Ophelia. One of the most beautiful and popular of recent cut-flower favorites, with perfect flowers of distinct form, lavishly produced, emitting the exquisite perfume of the Richmond type; white, tinted salmon flesh and shaded with rose, a strong glow of yellow at base. 85 cts.

Premier. A magnificent variety of large size and distinct character; very deep rose color, the broad roll of the outer petals creating most interesting lights and shadows. It is practically thornless. 85 cts.

Priscilla. Large, globular, full flowers with good cutting stems; very deep pink graduating eventually to soft rose pink. \$1.00.

Radiance. Extra hardy, vigorous and prolific; one of the best all-round Garden Roses. Its color is a beautiful blending of carmine-rose with shades of opal and copper. 90 cts.

Red Radiance. The globular, heavy-stemmed "Radiance" duplicated in all respects except color; this sport form being a brilliant crimson. 90 cts.



Red Letter Day. Single or semi-double flowers of a uniquely cactus shape, vividly self-assertive thruout the garden season. Its color is a glittering scarlet-crimson clear thru the petals,—thus eliminating the too common purplish defect in the older flowers. 90 cts.

Una Wallace. A recent novelty, almost alone in its particular color shade which may best be designated a soft cherry rose without separation or shading. In size, style and habit there can be little criticism, and its production of sweetly fragrant bloom is very liberal. \$1.00.

White Killarney. A duplicate of the charming pink Killarney, with flowers white as snow. (See it in the Rose Collection on front cover). 85 cts.

White Ophelia. The original Ophelia has come to be rated as a pink rose. This new derivation retains merely the basic white of its various color shades, but this is magnificently displayed in the typical Ophelia character. 90 cts.

Wm. F. Dreer. Its coloring is not sharply defined or aggressive, but just that modest delicacy and sweetness found in orchids and certain water-lilies. Soft, silvery shell pink, at times creating a golden illusion through reflection from the base of petals which are definitely gilded. A magnificent vase type, at its best as buds, and when half expanded. \$1.50.

Wm. R. Smith (Tea). One of the hardiest and most faithful teas, with strong branching growth and profuse bloom. Creamy white tinged pink and lilac, with a silvery sheen. 85 cts.

PERNETIANA ROSES



These are all recent products of the great French Rose grower, M. Pernet. They are hardy garden subjects, characterized by ornamental tinted foliage; and striking beautiful combinations of colors in the flowers, in which the rare much-prized yellow, is predominant.

Soleil d'Or.

A fine, hardy outdoor Rose, showing much the same character as the Hybrid Perpetuals. Especially valuable because of its rare

color; gold and orange yellow, varying to ruddy gold suffused with Nasturtium red.

Mad. Edouard Herriot. Its flowers are medium sized semi-double, well set amidst varnished bronze-green foliage. The color is a glorious commingling of terra cotta, bronze, Geranium red and dull copper; fine long, pointed buds of coral-red and yellow.

SEE NOVELTIES, page 93, for the following:

Souv. de CLAUDIUS PERNET.....\$1.50
Souv. de GEORGES PERNET.....1.50
Souv. de GEORGE BECKWITH.....2.00

Willowmere. A robust garden Rose of bushy habit, with beautiful buds, very large flowers and lustrous green foliage. Color rich shrimp pink, shaded yellow at center and toning to cream pink towards base of petals.

Unless noted, by mail \$1.00 each; \$9.50 per 10.
By express, 95 cts. each; \$9.00 per 10.

HYBRID PERPETUAL

These are the "June Roses" so admirably suited for garden culture, the formation of Rose beds, hedges, etc. In June and July these lovely Roses are brilliant with great, intensely perfumed flowers of richest colors, far exceeding the other classes in size and vivid effect.

Capt. Hayward. Large, full flowers which are high built, with characteristically rolling edges to the petals. The color is a strong, rich, velvety carmine-crimson.

Eugene Furst. A beautiful velvety crimson, with distinct maroon shading; usually in clusters.

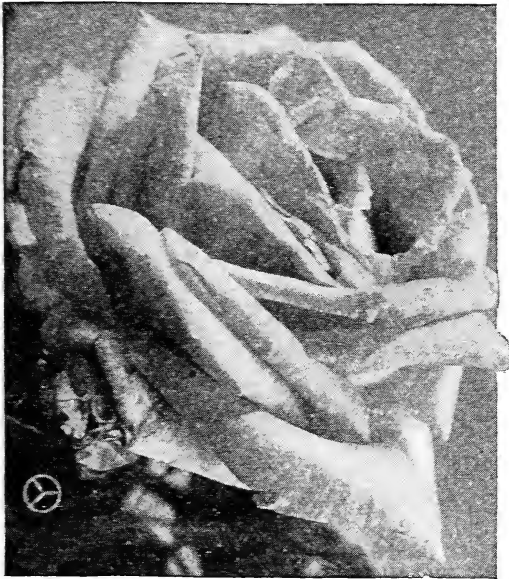
Frau Karl Druschki. The regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity are a three-fold revelation of exquisite charm and beauty. Large flowers of waxy paper white in June; yielding their final outburst with the first snow of fall. Mail, 85 cts.; \$8.00 per 10. Express, 80 cts.; \$7.50 per 10; \$70 per 100.



Paul Neyron. One of the finest hardy Roses ever grown. It blooms intermittently from June to November, on long, smooth, thornless stems, furnishing a vast quantity of uniform flowers 4 to 6 inches across. Color a bright ruddy pink. Particularly good in Autumn.

Prince Camille de Rohan. Very dark velvety crimson, changing to incense maroon; the deepest red. 85 cts.; \$8.00 per 10. By Express, 80 cts.; \$7.50 per 10; \$70.00 per 100.

Unless noted, by mail, 80 cts. each; \$7.50 per 10. By express, 75 cts. each; \$7.00 per 10; \$65 per 100.



Geo. Arends

George Arends. (Pink Druschki.) A most notable addition to the list. In growth it is vigorous, furnishing long stems comparable with Neyron. Its profuse and recurrent bloom is a delicious shade of satiny, clear rose-pink a little deeper than Laing, a bit softer than Neyron. The earlier stages of bloom are remindful of Druschki, but when open it is the higher-built, fuller type of its two pink competitors. Mail, 85 cts.; \$8.00 per 10. Express, 80 cts.; \$7.50 per 10; \$70.00 per 100.

Gen. Jacqueminot. ("Jacq. Rose.") The oldest reliable red; free blooming, rich crimson scarlet.

John Hopper. A beautiful dark pink.

Jubilee. Pure red, shading to crimson and maroon at the base of petals; one of the darkest.

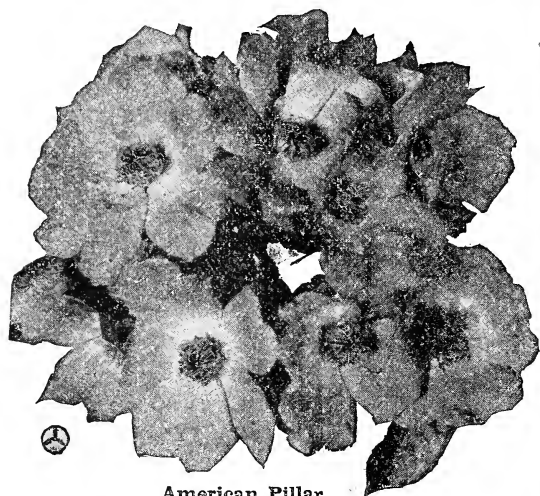
Magna Charta. Strong growing, early blooming with large flowers of bright rose-pink.

Marshall P. Wilder. Bright, cherry red; a shapely globular flower and free bloomer.

Mrs. J. H. Laing. A favorite sort: satiny flowers of soft, clear pink, remarkably free and continuous.



Paul Neyron



American Pillar

HARDY CLIMBING ROSES

Your yard or garden may be too small to warrant the outlay of space sufficient to express your appreciation of Roses in bush form. Hardy climbing types (which include those modern varieties called "Rambles") need only a foothold; the long trails will twine and cling to any little trellis assistance and spread charming clusters over yards of wall space, will hang in festoons along eaves of your porch roof. Until mid-summer, stems and foliage are beautiful as vines; what they lack in this respect thereafter can be forgiven for the glory of the flowers they have borne.

PRICE

Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 rate is 5 cts. less in each case. For 100 rate, see General Price List, P. 90.



Flower of Fairfield. See page 99

Alberic Barbier. Long, slender, pointed buds of sulphur yellow, opening into handsome creamy white flowers. Growth is rapid, but slender, well clothed with glossy dark green leaves. 85 cts.

ALBERTINE. See Novelties, P. 93..... \$1.50

American Pillar. One of the most valuable and attractive of the Hardy Climbers, flowering profusely in large, compact clusters. The single flowers range from 2 to 5 inches in width. Brilliant carmine rose, with a slight cream variegation and yellow stamens at center. 85 cts.

Aviateur Bleriot. (New.) Exquisite little buds of saffron yellow shaded apricot; opening to a lighter tone. The bloom occurs in open clusters, emitting an unusual but very pleasing magnolia fragrance. Glossy foliage and good thrifty growth. 85 cts.

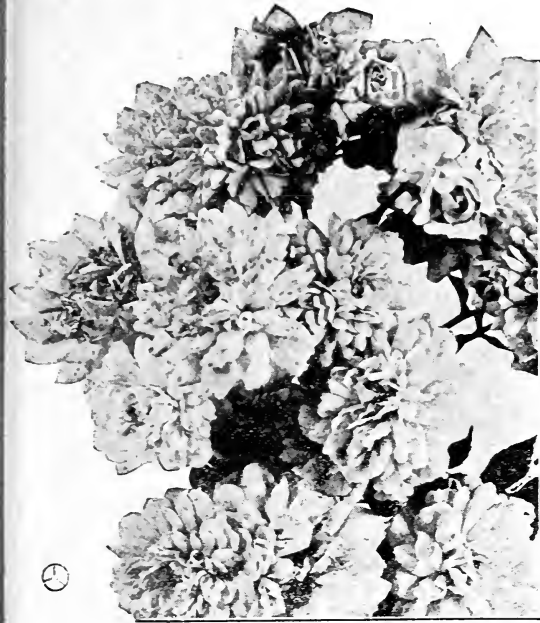
BONNIE PRINCE. See Novelties, P. 93..... \$2.00

Climbing American Beauty. This climbing form of the famous pink Rose, so long the American favorite for cutting, is as lovely and fragrant and deeply pink as the bush form. The hardy climber blood with which it is crossed gives healthy, perfect foliage and a strong climbing habit of growth; the superabundant bloom being in prime before the June show of the bush type. 85 cts.

Crimson Rambler. The famous crimson-clustered climber, forerunner of a splendid class. 80 cts.

Dorothy Perkins. A beautiful shell-pink Rambler. This is unquestionably the thriftiest, showiest, and most practical of the older pink climbers; and trails its riotous clusters over more verandas, windows and trellises than any other one variety. 75 cts.





Mrs. C. W. Thompson

HARDY CLIMBING ROSES—Concluded

Doctor Van Fleet. One of the newer type of climbers which combines absolute hardiness with flowers large as in the Tea and Noisette class. This variety shows a mass of beautiful clustered buds, which open out into large, shapely flowers; delicate flesh white. An admirable cutting variety with stems 12 to 18 inches long. 80 cts.

EMILY GRAY. See Novelties, P. 93.....\$1.00.

Eugene Jacquet. (New.) Fragrant cherry-red flowers borne profusely in very large clusters. This is a fine rapid climber. 80 cts.

Excelsa. A radiant, blood-red Dorothy Perkins, the clusters very large. Excelsa out-grows most of the Rambler Roses, has notably good clean foliage, and proves to be comparatively immune from disease. 75c.

Flower of Fairfield. The "Ever-blooming Crimson Rambler;" commencing to bloom on the first young red shoots, and adding size and brilliancy with its growth. 90 cts.

Goldfinch. Flowers large, semi-double, in full clusters; a rich lemon yellow. 80 cts.

Hiawatha. Its small flowers a deep ruby crimson accentuated by a white eye, are uniquely borne in long trails of 40 to 50 blooms. Smaller, but similar to American Pillar. 80 cts.

Jacotte. (New.) A vigorous climbing shrub with bright dark green foliage, very floriferous in clusters of four to ten flowers. These are very effective in a shade new to the class; orange yellow in the bud, the expanded flowers a deep copper tinted with copper-red. \$1.00.

Mary Wallace. (New.) Although a good pillar rose, it becomes self-supporting and makes an ideal door-yard bush. The flowers are semi-double, bright clear rose-pink with salmon base. These are often four inches wide;—and appear intermittently during the season, following their first glorious outburst in late spring. \$1.

MERMAID. See Novelties, P. 93.....\$1.75.

Mrs. C. W. Thompson. Something new in hardy climbers, not a rampant grower like D. Perkins, but full-leaved and substantial like the older Pillar Roses, with the shiny green foliage of the Wichuriana class. The individual flowers are unique in form; being perfectly quilled, full, small buttons, deep pink color. These blooms are lavishly produced in dense clusters throughout an unusually long season, and are splendid subjects for table and other inside decoration. 80c.

Roserie. This splendid new Rose is derived as a sport from Tausend-schön; and while showing exactly the same vigorous growth, clean foliage and great freedom of bloom as the parent, its flowers are a deep, glowing pink. 90 cts.

Silver Moon. Four to five inch semi-double flowers; pure white with thick clusters of yellow stamens. \$1.00.

Veilchenblau ("The Blue Rambler"). Not really blue, understand, but a pale violaceous red which is the nearest blue yet produced in roses. The flowers are close petaled like Crimson Rambler, borne freely in compact pyramidal trusses; a good pillar type. 85c.

White Dorothy. A magnificent, clustered Rose, with good strong virility and climbing habit, the vines a sheet of white during their blooming period. 80 cts.

NEW YELLOW CHINESE BRIAR**Hugonis.**

A striking, unique, attractive shrub; at home in medium sections of the landscape groups, or conspicuously independent as solitary lawn clump. Last year's canes produce the crop of bloom, with clean, healthy foliage of the Briar type; but the new growth springing abundantly from the roots, is densely clothed in acacia-like leaves and bristles, all a reddish maroon. A matured bush may attain 6 feet in height, with corresponding spread. The sparkling buds begin to swell in April, so that early in May, Hugonis is a shimmering mound of gold. The flowers are single, flat to cup shaped, with charming stamen tufts at center; set snugly full length of the arching canes. Their color is bright and noticeable, ranging from deep gold to canary. By mail, \$1.00 each; \$9.50 per 10. By express, 95 cts. each; \$9.00 per 10.

HYBRID POLYANTHA, FAIRY or BABY RAMBLER ROSES

Called the "Baby" Ramblers on account of their very short, close growth as compared with the long-known trellis climbers, the clustered flowers being identical. Most sorts grow to 15 to 18 inches in height, and are shapely little bushes covered with bloom. **As pot plants**, the varied types make wonderful forced specimens for winter decoration; **in summer**, their brilliant clusters lay ribbons of color along the garden borders from June till fall.

PRICE

Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 rate is 5 cts. less in each case. For 100 rate, see page 90.

Crimson Baby Rambler. The original red of the group; still the most extensively used. 80 cts.

Baby Tausendschön. A prevailing flesh-pink; in beautiful, full clusters. 85 cts.

Chatillon Rose. Wonderful sprays of beautiful semi-double flowers which last long in water. The florets average about $1\frac{3}{4}$ inches in diameter, each heart-shaped petal distinctly lobed. The color is a charming silvery crimson fading away to flushed white at the center. 90 cts.

EBLOUISSANT. See Novelties, P. 92 \$1.25.

Erna Teschendorf. Deep, unfading crimson darker than the type, and some taller growing. 80 cts.

Greta Kluis. A lovely shade of deep carmine pink darkening to carmine red. 90 cts.

Grete Schreiber. Pearl pink. Vigorous grower. 90c.

Gruss an Aachen. Unusually large, compactly double, fragrant flowers in full clusters; a unique and very pretty combination of pink, red and orange. 90 cts.

Jessie. "Richmond" red which does not fade; superb pot plants and a good bedder. 85 cts.



Ideal. A striking new baby rambler of the usual type as to shape, size and other class characteristics; but notable in its phenomenal quantity of bloom, and in the richness of its darker color, its distinctive shade being a rich garnet red. \$1.00.

LADY READING. See Novelties, P. 92 \$1.25.

La Fayette. An epoch making, decided break from the type. The dwarf, bushy growth, clustered flower heads and continuous blooming, are conventional; but its individual flowers are 3 inches wide, semi-double and prettily ruffled, strung together in great branching sprays of as many as forty. Brilliant cherry-crimson color. 90 cts.

Orleans. Geranium red, with a distinct center of pure white. Remarkably free blooming and of unexcelled keeping qualities; a great favorite. Although the flowers of this charming variety are numerous, they are not crowded; each individual bloom standing out distinctly. 85 cts.

Red Orleans. A sport from above, differing only in that the red is a deeper shade and more prevalent, the white center being consequently less distinct. 90 cts.

PRINCESS JULIANA. See Novelties, P. 92 \$1.00.

Triomphe Orleanaise. Much the same shade of crimson as Baby Rambler; larger flowered. 95 cts.

White Baby Rambler. Its pure white flowers are perfectly double. 85 cts.

MOSS ROSES

A beautiful species distinguished by the moss-like covering of their buds. Vigorous, stocky growth, lustrous foliage and perfect hardness; the flowers usually large and lasting, blooming but once a year.

Blanche Moreau. The flowers are borne in clusters; large, full, sweet scented; pure white.

Countess of Murinais. White, beautifully mossed.

Glory of Mosses. Glossy pink tinged crimson.

Salet. Light rose, large and full; late.

By mail, 85 cts. each; \$8.00 per 10. By express, 80 cts. each; \$7.50 per 10.



ROSA RUGOSA and its Hybrids

A valuable, perfectly hardy type much used in landscape work; the heavy wood and shrubby formation adapting it to hedges and hardy borders, or to mixed shrubby groups. The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests. Flowers are borne in clusters of varying size and construction, are succeeded by persistent fruits which carry their usefulness into winter. One quality of which planters are glad to take advantage, is their adaptability to location in partial shade.

Rosa Rugosa Rubra. Single flowers, rosy crimson; orange-scarlet fruits. By mail, 80 cts.; \$7.50 per 10.

By express, 75 cts. each; \$7.00 per 10; \$65.00 per 100.

Rosa Rugosa Alba. Single white. By mail, 90 cts.; \$8.50 per 10. Express 85 cts.; \$8.00 per 10.

Agnes Emily Carman. Flowers large, semi-double; rich crimson.

Anthony Waterer. Semi-double flowers of deep crimson; a good landscape variety.

Chas. Fred'k Worth. Double; crimson carmine.

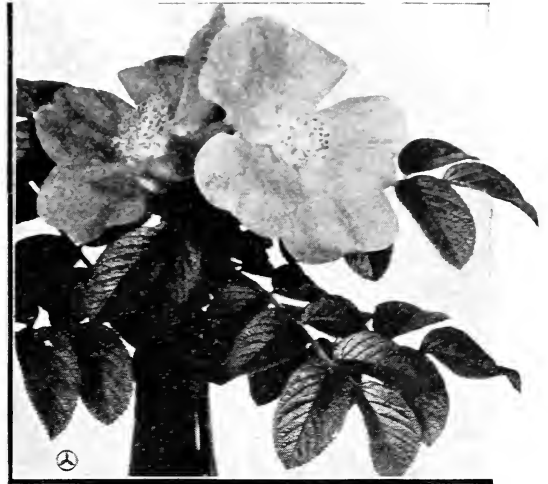
Conrad Ferd. Meyer. Flowers large, cupshaped and double, delicate silvery pink.

F. J. Grootendorst. ("The Baby Rambler Rugosa Rose.")

Typical rugosa foliage, health and habit, of compactly bushing, moderate growth; but revealing its baby rambler cross-derivation in the form, color and season of its bloom. Not only suitable for association with medium shrubs, like other rugosas, but on account of its remarkable bloom and superior bush character, deserves more prominent exhibition, either as a single specimen or in a separate massed group. The bloom is in clusters of over-sized, fairly double red flowers resembling the Crimson Baby Rambler, which like this type, produces from early summer till fall. Mail, \$1.00 each; \$9.00 per 10. Express, 90 cts. each; \$8.50 per 10; \$80.00 per 100.

Hansa. A showy hybrid with abundant large, double, reddish-violet flowers; strong, rampant growth.

Unless noted. By mail, 85 cts.; \$8.00 per 10. By express, 80 cts. each; \$7.50 per 10; \$70.00 per 100.



Rosa Rugosa Rubra

WICHURIANA ROSES

The evergreen, lustrous, dense and healthy foliage of this species make them indispensable for ground covering and shallow bedding. They bloom profusely during a long season and brighten the early winter months with conspicuous fruits and still green foliage. Although trailing in tendency, every variety yields readily to upright training.

Rosa Wichuriana (Memorial Rose). Especially valuable for cemetery planting; with pure white single flowers in greatest profusion during July.

WICHURIANA HYBRIDS

Debutante. Blooms freely under all conditions, presenting a fine show of pure white clusters.

Evergreen Gem. Dense, bronzy green foliage; double flowers creamy white. A fine ground cover.

Pink Roamer. Large, single, in striking clusters; pink, with white center. One of the prettiest.

South Orange Perfection. Double flowers, 1 1/2 inches in diameter; white, blush pink at the tips.

All varieties, by mail, 80 cts. each; \$7.50 per 10. By express, 75 cts. each; \$7.00 per 10.

NATIVE or WILD ROSES

Pretty single flowers, and large, bright-colored berries which cling far into the winter. They are largely utilized for planting among shrubs, and to reclaim and cover waste ground.

Carolina (Swamp Rose). Hardy in either wet or dry soil. Shrubby growth, pretty pink flowers.

Multiflora. Strong growing, with long arching canes covered with white clusters in June. \$55.00 per 100.

Setigera. At its best in the wild garden; is a good practical fence and trellis climber, or with occasional clipping makes a showy bush. Single, bright rose pink flowers. \$60.00 per 100.

By mail, 75 cts. each; \$7.00 per 10. By express, 70 cts. each; \$6.50 per 10.

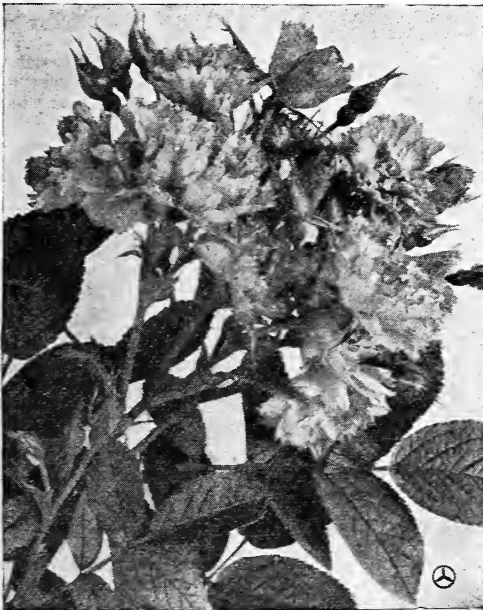
Messrs. Storrs and Harrison,
Painesville, Lake County, Ohio.

Dear Sirs:—

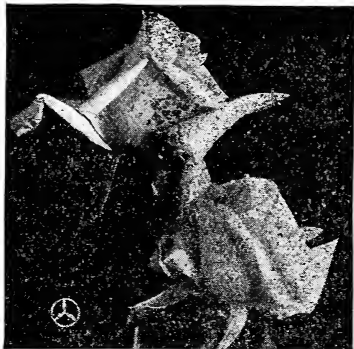
This is to acknowledge receipt of 8 roses which you kindly forwarded to me.

The roses arrived in good condition and it was a good idea to ship roses with half long stems beside wrapping each in moss for such long journey from the homeland to the Philippines. The package was on the way over 5 weeks. All doing well now and by next Fall will send you another order.

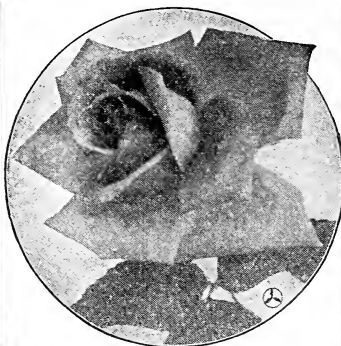
Faithfully yours,
Geo. P. Linden.



F. J. Grootendorst



Blumenschmidt



Red Radiance



Kaiserin A. Victoria



POT-GROWN ROSES



CULTURE OF ROSES IN POTS. For house culture the various types of Everblooming Roses will give a succession of bloom if treated in the following manner: Drain the pots well with broken bits of crock; mix one part of well-rotted cow manure with two parts of light, friable soil, and press firmly about the roots in potting. Keep well watered during the summer, more scantily in fall and winter. Pinch off all flower-buds until winter, and then give all the sunlight possible. Keep your plants clean and growing. About 60 degrees is the best temperature for window or general indoor culture.

Offered in 1 year stock from 2½ inch pots. No distinction between mail and express price.



GOLDEN CHINESE BRIAR

Hugonis. (Novelty.) A remarkable and very valuable briar rose brought in from China. Grows and spreads quickly to as much as 6 feet at maturity. Blooms extravagantly in May full length of last year's shoots. Flowers single, ranging from deep gold to canary, with conspicuous stamen tufts. 2½ inch pots, 35 cts.; 3 for \$1.00.

TEA AND HYBRID TEA ROSES

For Pots or Bedding

Alexander Hill Gray. A fine lemon yellow of large size with high-built center, full petalage gracefully reflexed, and delightful tea scent. One of the best recent introductions in Tea Roses.

Bessie Brown. Pearl-white, with a delicate tinge of fawn. Good size and character.

Blumenschmidt. Pure citron yellow, usually edged tender rose on the outer petals. Very persistent, free bloom of admirable type; a highly satisfactory garden rose.

Eugene E. Marlitt. A showy red; rich deep carmine, with scarlet shading.

Kaiserin Augusta Victoria. A beautiful rose with elegant, long-pointed buds and very large, full double flowers; color, delicate creamy white; deliciously fragrant.

Lady Plymouth. An English prize-winning rose of exquisite finish and dainty texture. Ivory white slightly blushed, a pearly gloss over all.

Maman Cochet. Mother of many noted favorites, establishing a type as well known and appreciated as any group in the Tea section. The color is rich, clear pink daintily flushed with silvery rose.

Mme. Francesca Krueger. An old favorite; with large flowers of coppery yellow.

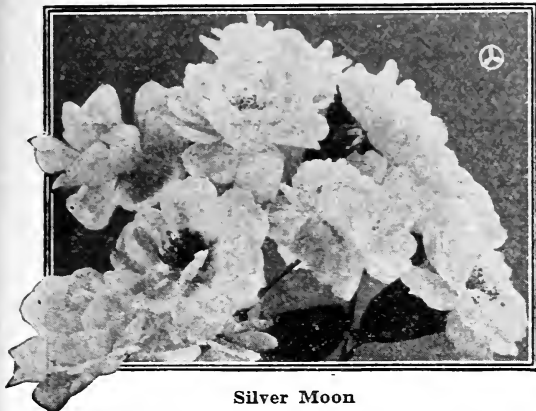
Mrs. Benjamin R. Cant. Flowers full, globular, sweet scented, borne freely until the very latest season. Deep rose, inside silvery rose with buff tinge at base.

Red Radiance. Of splendid garden habit, co-equal with the favorite pink Radiance; its color a brilliant, deep shade of red.

Robinhood. Strong, lusty growth; extremely large flowers borne consistently the full season; bright rosy scarlet.

White Maman Cochet. The family traits and beauty are preserved; pure, waxy white, one of the most reliable whites in this class.

2½ inch pots. 25 cts. each; \$2.50 per dozen.



Silver Moon

HYBRID POLYANTHA ROSES

or "BABY RAMBLER" GROUP

	Each	Doz.
Baby Doll or "Tip-Top." Golden yellow, tipped cerise. A wonderful little bouquet Rose.....	\$0.25	\$2.50
Clotilde Soupert. Creamy white and pink..	.25	2.50
Ideal. A striking new baby, producing an extraordinary amount of medium sized bloom in large clusters, the color a velvety garnet red.....	.35	3.50
Princess Juliana. (New.) A daintier, sweeter combination of maiden-blush and peach and ivory, is inconceivable. The florets are prettily waved, and strung along the branched sprays in jocular abandon....	.40	4.00

WICHURIANA and its HYBRIDS

Trailing, Ground Covering, etc.

Rosa Wichuriana. (Memorial Rose.) Single white flowers, lustrous foliage.

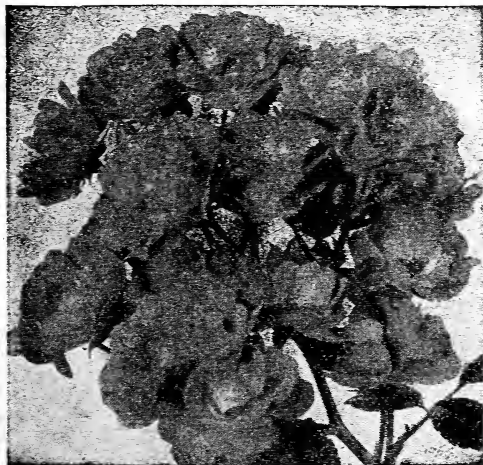
Aviateur Bleriot. (New.) Exquisite little buds of saffron yellow shaded apricot; opening to a lighter tone. The bloom occurs in open clusters, emitting an unusual but very pleasing magnolia fragrance. Glossy foliage and thrifty growth.

Debutante. Blooms freely under all conditions, presenting a fine show of pure white clusters.

Evergreen Gem. Dense, bronzy green foliage; double flowers creamy white. A fine ground cover.

Gardenia. A prolific bloomer, with deliciously fragrant, creamy yellow clusters.

Jersey Beauty. Fragrant single flowers in clusters, with prominent tufts of yellow stamens.



Ideal

Manda's Triumph. Double; pure white in large numerous clusters.

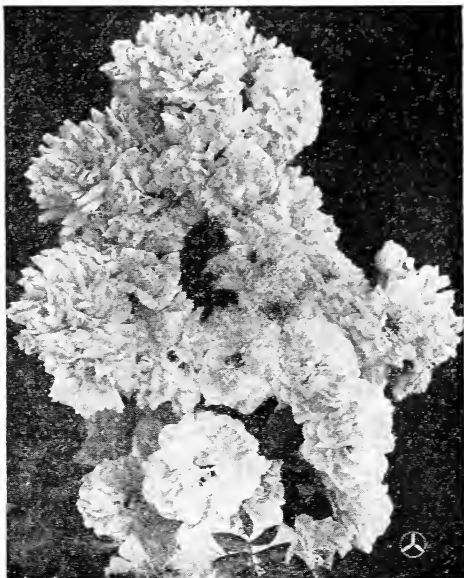
Mary Wallace. (New.) Although a good pillar rose, it becomes self supporting and makes an ideal door-yard bush. The flowers are semi-double, bright clear rose-pink with salmon base. These are extreme in size,—often four inches wide,—and appear intermittently during the season, following their first glorious outburst in late spring. 35 cts.; \$3.50 per dozen.

Pink Roamer. Large, single, in striking clusters; pink, with white center. One of the prettiest.

Sweetheart. Rosy pink, produced freely and continuing in bloom a long period of time.

Universal Favorite. Double, very fragrant; a beautiful rose-pink.

All 2½ in. pots. Unless noted, 25 cts.; \$2.50 per doz.



White Dorothy

HARDY CLIMBING ROSES

For Pillars and Trellises

	Each	Doz.
American Pillar. Large single flowers carmine-rose, with cream and yellow center....	\$0.25	\$2.50
Climbing American Beauty.		
Hardy Hybrid Tea; magnificent pink climber	.25	2.50
Dr. Van Fleet. Delicate flesh white; flowers large in fine cutting clusters.....	.25	2.50
Dorothy Perkins. Dense clusters of double pink flowers, fluted petals.....	.25	2.50
Excelsa. Blood red; strong climber.....	.25	2.50
Gold Finch. Buds rich lemon yellow, open flowers a trifle lighter.....	.25	2.50
Hiawatha. Deep ruby crimson, with white eye; small flowers, big clusters.....	.25	2.50
Lady Gay. Cherry-pink and white.....	.25	2.50
Mrs. C. W. Thompson. Very double pompon flowers in clusters; deep pink.....	.30	.....
Paul's Scarlet Climber.		
Very large semi-double flowers of crimson scarlet in great abundance. Remains in bloom longer than most.....	.25	2.50
Roserie. Deep glowing pink.....	.25	2.50
Silver Moon. Four to five inch semi-double flowers; pure white with thick clusters of yellow stamens.....	.25	2.50
Tausendschön. Soft pink and carmine intermingled with white.....	.25	2.50
Veilchenblau. "The Blue Rambler".....	.25	2.50
White Dorothy. Best white climber.....	.25	2.50



HARDY PERENNIAL PLANTS

THE OLD FASHIONED HARDY GARDEN

Why. Perennials are planted, essentially, for their yield of flowers. With the right selection of classes and varieties, our garden plots may be kept bright and cheery with bloom from before the first robin's song in spring, until Nature herself gives up the gracious task in early winter.

When. These roots may be planted as early in spring as the ground is pliable (or in the autumn); selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility, and developing into shapelier plants than the bulkier old roots.

Where. Proper **location** and intelligent distribution are important items and should receive serious consideration. Any good **soil** sensibly enriched with rotted manure, bone meal or sheep manure as available, dug deep and thoroughly mixed, will be satisfactory.

Various coarse-leaved, tall growing sorts, such as Anchusas, Boltonias, Cassia, Hollyhocks, Golden Glow, Mallows, Sunflowers, etc., should of course be located in the **background**. The **front** of the border should be laid out in the dwarfest growing kinds, such as Achillea, Columbines, Shasta Daisies, Euphorbias, Gaillardia, Heuchera, Hypericum, Dwarf Lychnis, Forget-me-nots, Plumbago, Iceland Poppies, Sedums, etc. **Intermediate** rows will take care of the great majority of perennials; the principal requirement in their location being to so dispose that colors will not clash, nor be unequally distributed. The matter of variation in **blooming season** should also affect location, in order to have no material section of the garden without some show of color at any time of the year. Thoughtful study of succeeding pages with these matters in view will pay its own reward.

How. SPACING. In planting perennials, it is generally safe to space those varieties which do not grow above two feet, about 12 inches apart; the taller ones at an interval one-half the ultimate height. Crowded or stingy planting are equally disastrous to healthy growth and perfect effect.

CULTIVATION. Don't let up with the hoe! Keep the ground well cultivated, leveled and free from litter; except during protracted drought, a little mulch of short grass (sweepings from the lawn) will help retain moisture and keep the soil from baking.

TRAINING. Judicious "staking" at an early date will adjust many later defects of top-heaviness or unequal development. If done early, the correction and support will be absorbed; after maturity, any alteration would appear abnormal and unsightly.

TIDINESS goes a long way towards an attractive garden. Snipping a broken twig; an untanglement here and there; removing withered leaves, dead flower stems, etc., will repay the odd moments of time and attention.

DIVIDING. The earliest flowering types are generally dwarf, compact and close rooted; these may be left undisturbed for several years. The tall sorts of late summer and fall are fast growing and prolific; it will be found a positive advantage to quality of bloom and general appearance, if these are taken up, divided, and a part only replanted, at least every second year.

WINTER PROTECTION. Everything listed in this section is "hardy," but in varying degree. For instance, Tritomas, Poppies and Shastas really need some protection. A light covering of coarse straw manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and ensure safety for the weak. After removing all stems and dead foliage, during the last days of November, or before severely cold weather sets in, apply this dressing, remembering to remove it gradually next spring, as soon as frost begins to leave the ground.

● GENERAL ASSORTMENT of HARDY BORDER PLANTS Page 105

Achillea, Boule de Nieve. (Ball of Snow.) 18

in. A valuable dwarf perennial, erect and compact, with full ball shaped flowers; pure white. 20 cts.; \$2.00 per dozen. By express, \$12.00 per 100.

—**Eupatorium.** For the medium perennial groups, attaining 3 to 4 feet; with an all summer's show of brilliant yellow, in flat flower heads. 25 cts.; \$2.50 per dozen. By express, \$18.00 per 100.

—**The Pearl.** 2-3 ft. One of the best white flowered border plants, resembling Pompon Chrysanthemums. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

AGROSTEMMA Coronaria. (Rose Campan.) Bright crimson, phlox shaped; with velvety silvery foliage.

—**Coronaria Alba.** White flowers. 20 cts. each; \$2.00 per dozen.

ALYSSUM Saxatile Compactum. (Golden Tuft.) A useful little border and rockery plant, growing not over 12 inches high; covered with enveloping flat clusters of bright golden-yellow flowers early in summer. 20 cts.; \$2.00 per dozen. By express, \$10.00 per 100.

—**Wiersbiecht.** 9 inch edging plants, in extravagant, dense spring bloom; canary yellow. 25 cts.; \$2.50 per dozen. By express, \$18.00 per 100.

ANCHUSA DROPMORE. A bold, broad leaved growth, and flower stems 3 to 5 feet high, bearing a continuous show of deep blue flowers from spring until late summer. The stools are quite dense and bushy, each stem nearly covered full length with double, inch wide flowers, of the deepest cobalt blue. 25 cts.; \$2.50 per dozen.

—**Myosotidiflora.** An attractive 12 inch dwarf border or rock plant, blooming freely in spring with clusters of pretty blue flowers resembling "forget-me-nots." A hardy Russian species, adapted to shade. 35 cts.; \$3.50 per doz.



Achillea, Boule de Nieve

ANEMONE JAPONICA. (Wind Flowers.) A valuable class, suitable for edging, massing or single specimens. They grow rapidly 2 to 3 feet, and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November, the large open flowers furnishing abundant cut-flowers and brilliant field display.

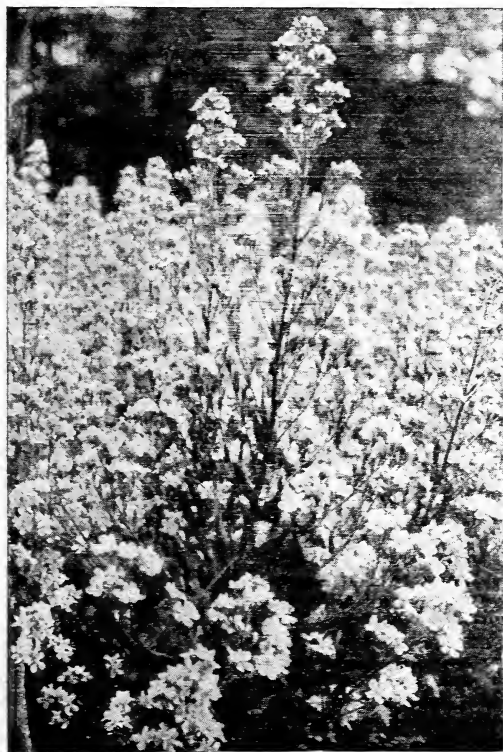
—**Alba.** Pure white.

—**Queen Charlotte.** Abundant semi-double flowers broad and perfectly formed; "La France" pink.

—**Rubra.** Showy rose-color, yellow center.

—**Whirlwind.** Excellent double white flowers.

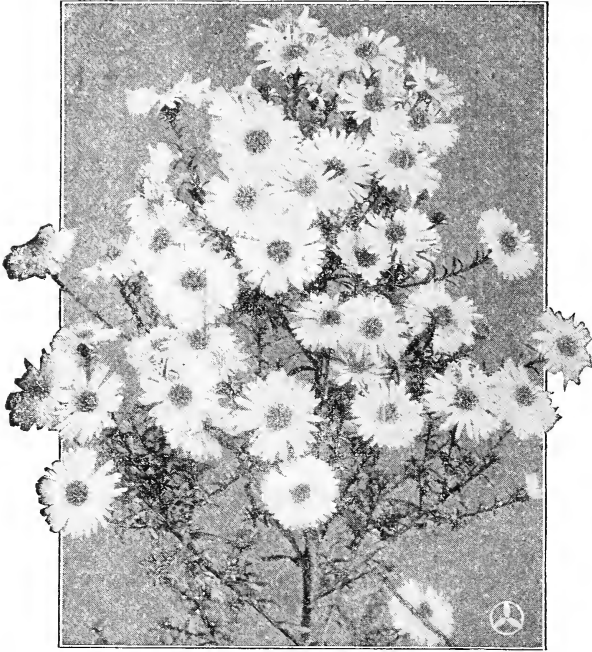
All Anemone Japonicas, 25 cts.; \$2.50 per dozen. By express, \$18.00 per 100.



Anchusa Dropmore



**Fall Blooming
"Wind Flowers"**



New Aster Elta

ANEMONE, Hupehensis. A miniature Japonica (10-12 in.) in profuse bloom from August on, with $1\frac{1}{2}$ inch single flowers colored a bright mauve-rose. 30 cts.; \$3.00 per dozen.

—**Pulsatilla Rubra.** Of dwarf habit; with upward-pointing flowers otherwise resembling canterbury bells, in profusion during May-June. Reddish purple. 30 cts.; \$3.00 per dozen.

—**Sylvestris.** 1 ft. May-June. Large white nodding flowers in abundance; best adapted to cool, moist location. 30 cts.; \$3.00 per dozen.

Anthemis Kelwayi (Hardy Marguerite). An excellent and profitable perennial for cutting; its daisy-like flowers appearing in profusion, practically all summer. Golden-yellow, 2 ft. 20 cts. each; \$2.00 per doz.

AQUILEGIA (Columbine.) Distinct, clear-cut foliage and delicate arrangement of colors; its habit especially suitable for rock-work, at the base of foundation walls and under trees. Bloom in early spring.

—**Caerulea Hybrids.** Dainty blue and white.

—**Chrysanthia Alba.** Beautiful double white.

—**Long Spurred Pink.** Color is distinct, creating an altogether delightful effect with its warm daybreak pink. 25 cts.; \$2.50 per dozen.

—**Mrs. Scott Elliot's Long Spurred Hybrids.** An English strain producing many shades and combinations in purples, blue, red and yellow.

Aquilegias, except as noted, 20 cts. each; \$2.00 per dozen. By express, \$15.00 per 100.

Arabis Alpinus. (Rock Cress.) Low growing plants especially suited to rock-work, flowering a long time, in small white terminal racemes. They commence to bloom in May. 15 cts.; \$1.50 per dozen.

Artemisia Lactiflora. Deep green, cleft foliage and compact bush shape; in bloom during August and September. The creamy white flowers, which resemble Herbaceous Spireas and are sweetly scented, are borne in large terminal panicles on erect stems 3 to $4\frac{1}{2}$ feet tall. 25 cts. each; \$2.50 per dozen.

Asclepias Tuberosa. (Butterfly Flower.) A familiar field flower; the cultivated form making a delightful show of orange flowers during early summer. $2\frac{1}{2}$ feet. 20 cts. each; \$2.00 per dozen.

HARDY ASTERS

The "Michaelmas Daisies" are very largely used by landscapers, to provide masses of foliage and bloom throughout the fall. They give a wide range of selection as to height, character, season and color.

Abendrothe. $2\frac{1}{2}$ feet. Very effective rosy red flowers.

Alpinus Goliath. Plant 6 to 10 inches high; in bloom during May and June, the large, evenly rayed flowers a showy light violet-purple with yellow center.

Elta. 2- $2\frac{1}{2}$ feet. A new imported variety bearing a profusion of large close-petaled flowers thruout a longer fall season than any competitor; its compact, branchy habit, and comparatively dwarf growth fitting into even the central spaces of the more formal gardens. Color a definite lilac-lavender, with tango eye. 30 cts. each; \$3.00 per doz.

Laevis. A splendid light blue variety. 4 feet.

Novi Belgii Climax. 4 feet. Much branched, pyramidal clusters of light lavender blue flowers $1\frac{1}{4}$ inches in width, with a prominent golden cone at center. August to Mid-October. 25 cts. each; \$2.50 per dozen.

—**White Climax.** 25 cts. each; \$2.50 per dozen.

—**St. Egwin.** Dense, bushy, about 30 inches high, with ornamental fine cut, dark green foliage; blooms clear from the ground; delicate pastel pink. 25 cts.; \$2.50 per dozen.

Tartarica. 5 feet. Very broad, long bottom leaves, diminishing towards the top. October; bright purple.

Top Sawyer. 4 feet. Clear parma violet.

Trinervus. $2\frac{1}{2}$ feet. Deep violet-purple, in bloom during October and November.

White Queen. 2 ft. Profuse white flowers in Sept.

All Asters, except noted, 20 cts.; \$2.00 per dozen.



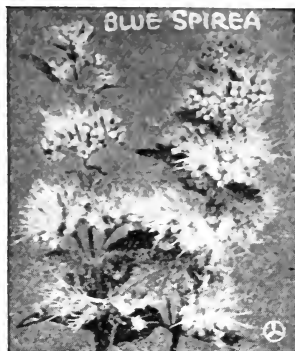
Long Spurred Columbine



Artemisia Lactiflora



Asclepias Tuberosa

**Boltonia Latisquama**

Aubretia. (Rainbow Rock Cress.) Essentially rock plants, but equally pretty and useful as an edging to any dwarf perennial border. The foliage is a fine mass of silver green, in spring and early summer concealed by a sheet of flowers. Offered in separate colors.—**Blue** or **Crimson.** 15 cts. each; \$1.50 per dozen.

Bocconia Cordata. (Plume Poppy.) Six to eight feet. Immense flat, deeply indented leaves of silvery green on pearl-pink stalks. Flowers creamy white, produced in large upright panicles, which persist for months, darkening to rusty-bronze. This is a splendid plant to point the angles of the tallest perennial backgrounds, its

neutral colors associating well with any other colors, and its stems and foliage at all times highly ornamental. 20 cts.; \$2.00 per dozen.

Boltonia. Fast growing plants suitable for backgrounds, very prolific of panicked bloom during the late summer.

—**Asteroides.** (False Chamomile.) 5 feet. Bushy plants with Aster-like white flowers. 15 cts.; \$1.50 per dozen.

—**Latisquama.** Lavender pink flowers. Large sprays make good, refined cut flowers. Not quite so tall growing, flowers larger and of more perfect form. 15 cts.; \$1.50 doz.

Caryopteris Mastacanthus. (Blue Spirea.) A fine bushy border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. These are of unique construction, the bristling stamens adding materially to the general effect. Not entirely hardy in the north and should be heavily protected. 35 cts. each; \$3.50 per dozen.

**"Chimney Bellflower"**

CAMPANULA

(Bellflower)

These are among the most beautiful and well-liked of the entire list of border plants. There are various types, all throwing up a liberal number of flower spikes along which are a crowded profusion of good sized bells; adapted to any garden soil.

Carpatica. (Carpathian Hare-Bell.) A pretty compact species, not exceeding eight inches high, flower bells one inch in diameter. **Blue** or **White.**

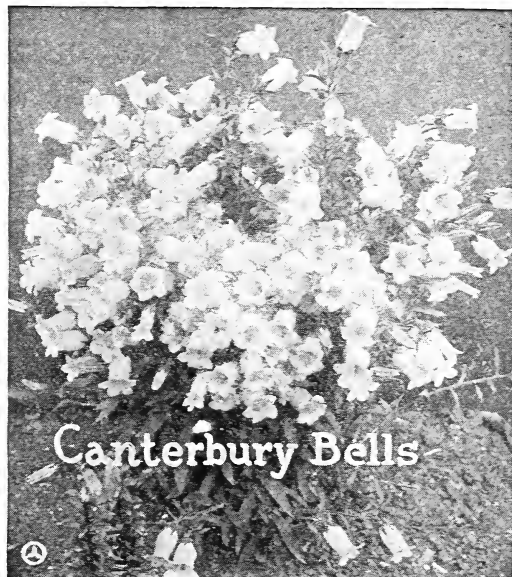
Calycanthemum. ("Cup and Saucer.") Hardest and most popular form. Single cup-shaped flowers, 3 inches long, set in saucer-like calyx, 3 to 4 inches across; entire flower of one color. Very productive. We offer three separate colors, **Blue, Rose** or **White.**

Media. The well known "Canterbury Bells;" its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July, height 2 to 3 feet. **Rose** or **White.**

Pyramidalis. (Chimney Bell-flower.) Very conspicuous; 4 to 5 feet high. Salver-shaped flowers borne profusely in September. **Blue** or **White.**

All Campanulas, 20 cts.; \$2.00 per dozen.

By express, \$15.00 per 100.



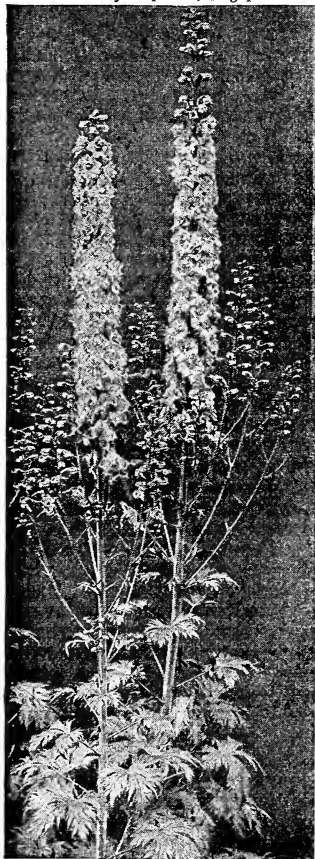
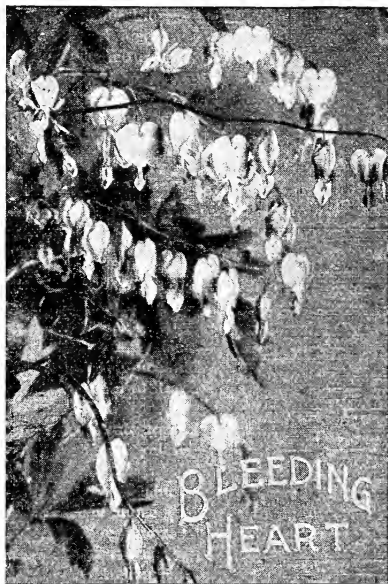
**Cerastium Tomentosum****Coreopsis****Shasta Daisy**

CENTAUREA Montana (Mountain Bluet). 2 feet. Bearing large, loose-petaled flowers of violet-blue from July to Sept.

—**Alba**. White flowers. Both colors, 15 cts.; \$1.50 per doz.

—**Dealbata**. 2 ft. June-July. Striking flowers of large size; rose-pink. 30 cts.; \$3.00 per doz.

Cerastium Tomentosum. ("Snow-in-Summer.") A carpet plant, with silvery foliage and white flowers. 20 cts.; \$2.00 per dozen. By express, \$15 per 100.

**Hardy Larkspur**

—**King Edward VII.** (New.) Immense flowers and vigorous growth. 20 cts. each; \$2.00 per dozen.

DICENTRA. (Bleeding Heart.)—**Spectabilis**. One of the most delightful of all the early spring flowering plants, bearing numerous rosy red, heart-shaped flowers in drooping racemes. Two feet. 50 cts.; \$5.00 per dozen.

—**Eximia**. Compound racemes of deep rose, the heart shaped flowers tapering to a long slender neck. Foliage is especially attractive. 25 cts. each; \$2.50 per dozen.

Clematis Davidiana. A choice shrubby species attaining a height of 2 to 3 feet, in bloom during August and September. Flowers are tubular shaped, of a delicate lavender-blue, and very sweet scented. Two-year plants, 25 cts.; \$2.50 per dozen.

Coreopsis Lanceolata Grandiflora. Flowers are rich golden yellow, borne in great profusion nearly the entire summer. This is one of the most serviceable and dependable perennials, furnishing a prodigious amount of excellent cut flowers, besides taking an important place among the 18 to 24 inch border types. 15 cts.; \$1.50 per doz. By express, \$10.00 per 100.

SHASTA DAISY, Alaska. Pure white with yellow eye. Plants are extremely productive of bloom, making as spectacular a field show and as profitable a cut-flower supply as any Hardy Perennial grown. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

DELPHINIUM (Larkspur)

The Perennial Larkspurs are indispensable to the herbaceous garden. Their long, showy spikes of flowers persist from June till frost and furnish an unlimited cutflower supply.

Belladonna. A magnificent sort with large spikes of the most delicate turquoise-blue. July till frosts. 15 cts.; \$1.50 per dozen; \$10.00 per 100 by express.

Bellamosa. A very dark blue variety, of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of Belladonna. 20 cts. each; \$2.00 per dozen; \$15.00 per 100 by express.

Gold Medal Hybrids. (See illustration on back cover.) Plants vigorous, free blooming, with flower spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. 20 cts. each; \$2.00 per dozen; \$15.00 per 100 by express.

—**Chinensis**. Dwarf growth; foliage small and deeply cleft; flowers loosely paniced; bright dark blue. 20 cts. each; \$2.00 per dozen.

DIANTHUS Deltoideus. (Maiden Pink.) 14 inches. A charming slender-stemmed type, foliage prostrate; a mass of small pink flowers during May and June. A good rock-plant. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.

—**Speciosus.** Free-flowering, lacy fin-cut, sweet-scented, lavender pink. A cheerful rockery subject, which laughs joyously at the hottest sun. 20 cts.; \$2.00 per dozen.

—**SEE other Dianthus on page 115, under HARDY GARDEN PINES.**

Dictamnus Rubra. (Gas Plant.) A somewhat shrubby, rounded bush growing to three feet, with fragrant foliage and spikes of curious red flowers. 25 cts.; \$2.50 per dozen.

Digitalis Gloxiniaeflora. (Foxglove.) A grand display of thimble-shaped flowers in immense spikes during July and August. Tall growing with large, rough foliage. Separate colors. **Purple, White or Rose.** 20 cts.; \$2.00 per dozen.

—**Buxbaumii.** Smooth, shiny foliage; strong stems bearing good long spikes of medium sized flowers, unique and showy in their rich canary yellow color. 20 cts.; \$2.00 per dozen.

—**Giant Shirley Foxgloves.** 6 to 7 feet high, with flower heads 3 feet or more long, crowded with big bell-shaped florets. Colors range from white and shell pink to deepest rose, many attractively dotted with crimson and chocolate. 25 cts.; \$2.50 per dozen.

Eupatorium Coelestinum. All-covering masses of pretty purplish blue, Ageratum-like flowers. 2 feet. Blooms Aug.-Oct. Valuable because of its scarce color for that late season. 20 cts.; \$2.00 per dozen.

Euphorbia Corollata. (Flowering Spurge.) A branchy low-growing plant with fine stems and foliage, literally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long sprays; and one of the most charming mist-flowers to mix with bouquets of Larkspur, Geum, etc. 20 cts.; \$2.00 per dozen.

—**Myrsinites.** A pretty prostrate species, with bluish foliage and crowded heads of yellow flowers. 30 cts.; \$3.00 per dozen.

Funkia Undulata Variegata. Thick leaved, substantial plants valued even more for their foliage than for their flowers. The leaves are broad and definitely fluted, pale green with a broad white central band and varying streaks; the flower stems just long enough to clear the foliage clump, small pendant blue florets in loose racemes. Being only 12 to 18 inches high they make very showy edging plants to bind in a planting of taller perennials, and they are also among the very few really choice perennials which accept a shady location without protest. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.

Gaillardia Grandiflora. (Blanket Flower.) One of



Sprigs of Euphorbia and Larkspur

the most gorgeous, and prodigal displays of all perennials, providing an unfailing supply of bloom, in those rich, tawny shades so highly prized. Flowers often measure 3 inches in diameter, on clean 2 foot stems. A hard center of deep maroon, is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon. 20 cts.; \$2.00 per dozen.

Galega. (Goat's Rue.) Bushy plants 2 to 3 feet high, with odd-pinnate foliage, bearing quantities of excellent cutting flowers in July and August. The flowers are pea-shaped, borne densely in both axillary and terminal racemes.

—**Officinalis.** Purplish blue. 20 cts. each.

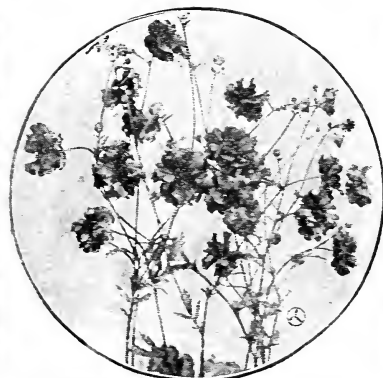
—**Alba.** Nearly pure white. \$2.00 per dozen.

Geum Mrs. Bradshaw. Brilliant, beautifully ruffled scarlet flowers, resembling Carnations, on long slender upright stems. 1½ feet. June to September. 20 cts.; \$2.00 per dozen.

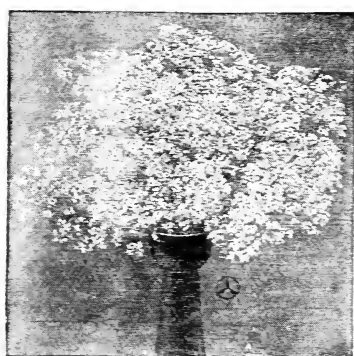
Gypsophila Paniculata. (Baby's Breath.) A branching, fine stemmed plant rapidly forming a 2 to 3 foot mound. During mid-summer, the surface is a fleecy mass of white in loose panicles of minute, but myriad flowers. Sprays of these are largely used for mixing with high colored flowers, with delightful effect in bouquets. 15 cts.; \$1.50 per dozen.



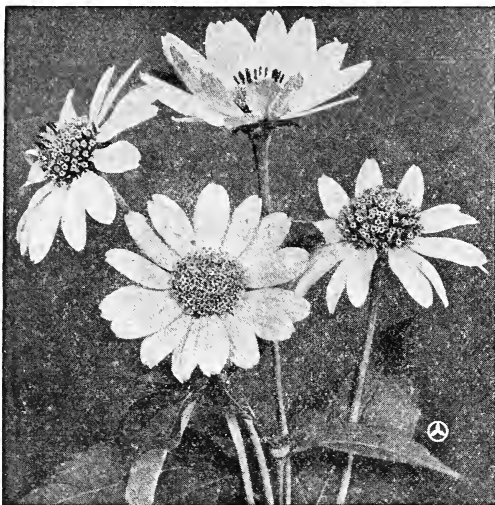
Gaillardia



Geum



Gypsophila



Heliopsis Golden Sun

HARDY GRASSES

A few clumps of these beautiful hardy grasses give an air of tropic luxuriance, and piquant animation. Gracillima is the finest, densest, darkest and most sinuous; Zebrina the broadest, and most conspicuous by reason of its white variegation. These three sorts are about equal as to height (4 feet) and quality of plumage. The Ribbon Grass, being dwarf, is used for edging, the clumps spreading to about 2 feet. Plumes of all make excellent dried bouquets for winter.

Eulalia Gracillima Univittata. (Japan Rush.)

Narrow green leaves with a silvery white midrib, perfectly hardy. By express, \$15.00 per 100.

—**Japonica Variegata.** Long narrow leaves, striped with green and white.

—**Japonica Zebrina.** (Zebra Grass.) Crossed every two or three in. by a band of yellow half an inch wide.

Phalaris Arundinacea Variegata. (Ribbon Grass.)

Green leaves, striped lengthwise with creamy white. 1½ to 2 feet. By express, \$15.00 per 100.

All Grasses,—20 cts.; \$2.00 per dozen.

HELENIUM. Quick growing, branching plants which make fine individual rounded bushes, or work to advantage in the medium section of a graduated perennial group. 3 to 5 feet high.

—**Bigelovi.** Quite showy during August with terminal clusters of 1½ inch, deep yellow flowers with brown center. 20 cts.; \$2.00 per dozen.

—**Riverton Gem.** Old gold gradually changing in streaks to wall-flower red; the warm, rich shades of autumn. 20 cts.; \$2.00 per dozen.

HELIANTHUS (Sunflower)

Hardy and quick growing, available for medium to tall location. The flowers average from 3 to 5 inches in diameter, of various pretty shapes and shades of yellow. Foliage and growth of each is entirely distinct; can be adjusted to other perennials for striking foliage effects.

Maximilliana. Immense single flowers, rich golden yellow, center reddish brown. Very dark green, lanceolate, drooping foliage, late bloom. 5 to 7 feet.

Mollis Grandiflorus. Light lemon yellow. Foliage large, rounded, silvered and quite hairy. 4 feet.

Rigidus. Of fine upright habit of growth. Flowers light yellow with maroon center. 3 feet.

Wolly Dod. One of the best single sunflowers; good rich yellow. September.

15 cts.; \$1.50 per doz. By express, \$10 per 100.

HELIOPSIS. Bushy perennials seldom over three to four feet high; lavishly covered with charming 2 inch flowers during six weeks of mid-summer.

—**Excelsa.** The color is chrome yellow, bleaching to clear yellow as flower matures; double. 25 cts.; \$2.50 per dozen.

—**Golden Sun (New).** Very large single flowers in greatest profusion. 25 cts.; \$2.50 per dozen.

HEMEROCALLIS. Well known family resembling Lilies in character and bloom, usually sweet scented and bearing a great quantity of yellow flowers during long periods of summer varying with the variety. They run in height from 2 to 4 feet.

—**Flava (Lemon Lily).** Crowned by beautiful lemon-colored flowers 3 to 4 inches in diameter, and delightfully fragrant. 3 feet. 20 cts.; \$2.00 per dozen.

—**Middendorffii.** Grows 2½ feet, with dark, clean foliage and long stems, and clusters of lily flowers 5 to 6 inches long; bright golden yellow. May and June. 20 cts. each; \$2.00 per dozen.

—**Thunbergi.** Funnel-shaped flowers of buttercup yellow in July. 4 feet. 15 cts. each; \$1.50 per doz.

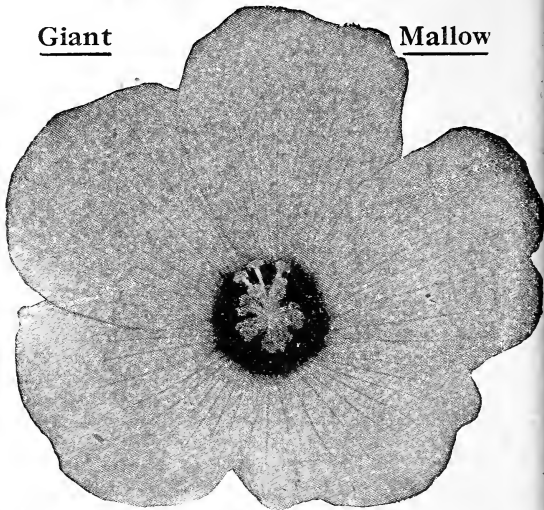
HEUCHERA, Sanguinea ("Coral Bells"). Grows about 2 feet high, with scalloped, purple-tinged round leaves; and throughout the summer throws up innumerable erect, slender flower stems, each crowned with a loose umbel of coral-red flowers. These make handsome bouquets, either entire or mingled with other kinds.

—**Brizoides.** Taller growing, with larger bells of pale salmony coral. 20 cts.; \$2.00 per dozen.

HIBISCUS (Mallow)

Giant

Mallow



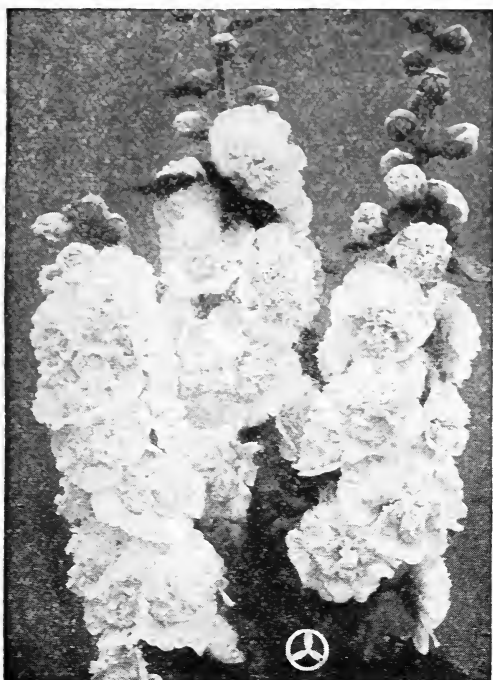
CRIMSON EYE. Of quick, shrubby growth to 5 feet, bearing quantities of large open flowers like single Hollyhocks; white with prominent crimson throat. 20 cts.; \$2.00 per dozen.

MALLOW MARVELS. A giant race derived from the common native Hibiscus, which has elevated this type almost to the dignity of shrubs. Massed in great groups or generously interspersed with shrubs, these "Marvels" grow very rapidly, sometimes getting up to 8 or 10 feet in height; with plenty of broad foliage to furnish a rich setting for the mammoth flowers.

—**Red Marvels.** Various shades of red and crimson. 20 cts.; \$2.00 per dozen. By express, \$14.00 per 100.

—**Pink Marvels.** Bright pink. 20 cts.; \$2.00 per dozen. By express, \$14.00 per 100.

—**Mixed Marvels.** A possibility of red, pink, or white—or all. 15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.



S. & H. Co. Double Hollyhocks
HOLLYHOCKS

This stately old plant is truly "King of the Garden." Hollyhocks inject so much of color and life and picturesque into tall backgrounds with their densely-set pillars ranging in height from 4 to 7 feet, ablaze throughout the summer. Set directly against an old, weather-worn building, they screen the evidence of decay with a thrilling suggestion of comfort and loving care.

Double Flowered. Large rosettes of paper-like tissue, very compactly layered. We offer them in the following separate colors. **Crimson, Yellow, White, Maroon and Pink.**

Mammoth Fringed. Extra large flowers semi-double and single, petals finely curled and fringed; colors shell-pink, rose, and ruby-red. Mixed colors only.
20 cts. : \$2.00 per doz. By express, \$15 per 100.

Hyacinthus Candicans. 20 to 30 white, pendant, bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. Should be planted rather close for mutual support, preferably in straight lines, and be heavily mulched as winter protection.
10 cts.; \$1.00 per dozen.

HYPERICUM Henryi. (Gold Flower.) Forms a shrubby, recumbent bush, 2 to 2½ feet high, of smooth purplish arching stems. Single, 2 inch or larger bright golden flowers, the rich color heightened by the many tufted yellow stamens with reddish anthers. Their foliage is fern like, with dark, shiny upper surface, richly contrastive to the abundant bloom which is quite persistent. Does very well in partial shade if soil is not too dry. 2 year plants,
60 cts.; \$6.00 per dozen.

—**Moserianum.** Dwarfier, and less shrubby; the golden flowers sometimes larger, of equal brilliancy.
50 cts.; \$5.00 per dozen.

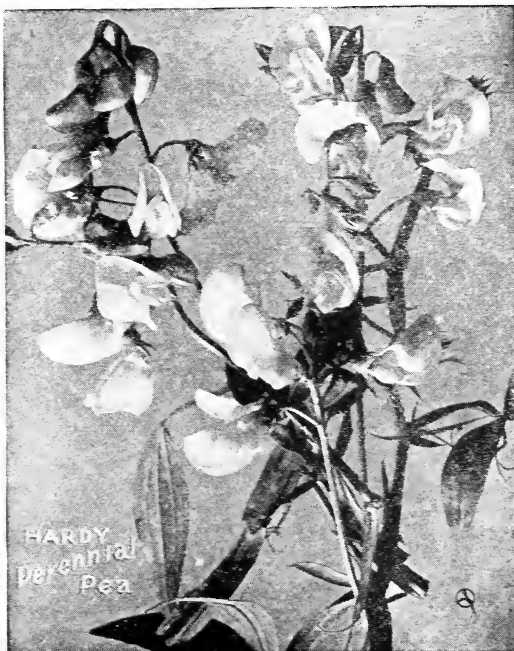
Iberis Sempervirens. Hardy white Candytuft. The foliage is dark, shiny and persistent; the bloom all-

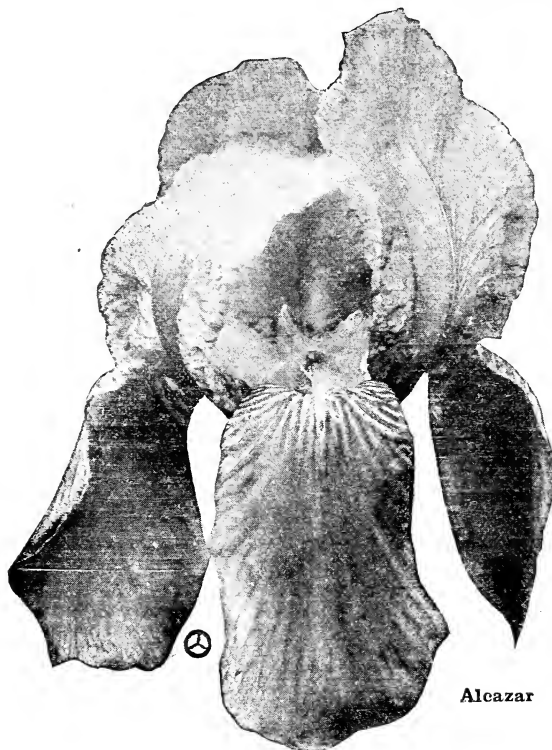


Hardy White Candytuft

covering and long-seasoned. Its handsome, dense panicles of dead white are the first real showy white perennials to bloom in the spring. **25 cts.; \$2.50 per dozen. By express, \$15.00 per 100.**

Lathyrus Latifolius. (Hardy Perennial Pea.) A rampant climbing perennial liberally furnished with good screening foliage. Its tendrils cling well to lattice work, but the plant is happiest unrestrained. It makes a splendid covering for wild, rough spots, scrambling hurriedly over stumps and stones and broken ground, concealing their unsightliness with a mantle of fresh green. The numerous, large flowers are typical peas but scentless, in dense clusters, continuous, and long-lasting either on the vine or cut. Offered in separate colors. **Pink or White. 25 cts. each; \$2.50 per dozen.**





Alcazar

GERMAN IRIS

Iris Germanica. The "Fleur de Lis" of France, second only to the Peony in perennials. Capable of establishment in any kind of soil, they will attain greater perfection of growth and flowering in a damp or marshy situation. The exquisite, haunting fragrance and delicacy of tinting in their flowers makes their spring advent a source of keenest pleasure; and their departure—all too soon—an equally keen regret.

PRICES. The price per dozen (postpaid) is 10 x price quoted. If included with, or separately shipped by express or freight, deduct 25 cts. per dozen from the mail price.

Alcazar. Very large, broad petals. Standards pale lilac blue with golden bronze throat; falls rich violet purple. Rated 8.9. 50 cts.

Candelabra. Large and striking. Standards light mauve dusted with violet; scapes silvery white. Falls perfectly limp with sharply defined veins converging to a solid blotch of almost black violet at the ends. 30 cts.

Celeste. Broad rounded flowers of one color, clear azure blue. 20 cts.

Darius. Ruffled upright petals of canary yellow; falls blotched with lilac blue and daintily feathered with brown towards base. 25 cts.

Isolene. Standards pale lavender; falls light purple overlaid brown; beard yellow. 25c.

Lent A. Williamson. There are many iris fanciers who pronounce this the finest iris ever introduced. Similar to Alcazar, but even broader and more massive, with heavier stalks. The velvety pansy violet falls are emphasized by the intervening bronze-gold center, and the crimped standards of lavender violet. Rated 9.0. \$1.00 each.

Lohengrin. One of the choicest of the Pallida type, tall and strong growing. Flowers very large and refined, uniformly colored a soft shade of Cattleya rose, except for a weakening to almost white at the claws. 25 cts.

Mad. Chereau. White, elegantly frilled, with a wide border of clear blue; one of the most charming sorts. 25 cts.

Mad. Pacquette. An even tone of rosy claret, probably the closest approach to red in our list. 30 cts.

Maori King. Short and compact growth, very free bloom. Standards rich golden yellow, closely incurved; falls velvety red-brown, distinctly feathered. The best of many similarly marked varieties. 20 cts.

Monsignor. A distinct and very desirable variety, stately in growth and massive in bloom; the somberness of its darkly veined crimson purple color enlivened by gleaming violet rays in the standards. 25 cts.

Nibelungen. S. fawn; F. violet, with fawn margin; a handsome variety. 35c.

Pallida Dalmatica. A rare, delightful variety, especially fine for massing as well as for cutting. Tall growing; with very large full-formed flowers of soft lavender, the falls being of deeper hue. 25 cts.

Queen Alexandra. Rosy lavender suffused with fawn; the falls deep lilac with bronze reticulations. 35 cts.

Rhein Nixe. Although dainty, and of delicate hue and texture, this recently new kind is quite conspicuous. White; the falls heavily blotched and feathered purple; large golden beard. 25 cts.

Sherwin-Wright. Solid, all-over buttercup yellow. Bloom very free and long lasting; no better clear yellow variety. 35c.

Tamurlane. Very heavy foliage and late bloom; F. deep purple, S. light blue. 35c.

Violacea Grandiflora. Among the latest, and without question one of the most pleasing blue Irises either new or old. Flowers are large and graceful, sweetly fragrant, a beautiful one-color shade of deep lavender blue. 35 cts.

Zephyr. A handsome, large flowered sort allied to the Pallida species; clear blue-lilac. 35c.



A Field of German Irises at the S. & H. Co., Nursery

S. & H. CO.

JAPAN IRIS SET



Left to right—TOP ROW: Nos. 4, 6 and 5. BOTTOM: Nos. 2, 1, 3 and 7

JAPAN IRIS

Iris Kaempferi. Last of the wonderful iris procession in point of season; but for size of plant and flowers, shapeliness, richness of coloring, beauty of pattern, and splendor of general effect, is unquestionably accorded first. Their flowers are generally rather flat and wide, often measuring 10 to 12 inches across, appearing in great profusion during June and July after the Germans are through. This class of iris should be cultivated thoroughly and often, to ensure the fullest extent of bloom size and beauty. The following varieties are arranged according to their relative blooming season, the entire collection providing a long succession.

- 1—**Kumo-no-obi**. (Band of Cloud.) The lower and upper petals being nearly equal in size, make a very full flower and a solid blotch of color. A pleasing general effect of lavender, derived from the laying on of white in distinct rays and halo over deep rose. This background is a rare setting for the golden throat and the pure white standards tipped purple.
- 2—**Gekka-no-nami**. (Waves under Moonlight.) Earliest to bloom, and the choicest white; very free. Glistening white with creamy white stigmas.
- 3—**Moniji-no-taki**. (Maple Waterfall.) A choice double variegated variety; bright rosy crimson, beautifully feathered in white. Petaloid-stigmas white, purple crested.
- 4—**Koki-no-iro**. (Purple and Gold.) Enormous double flowers often ten inches across, early and free blooming; one of the very best varieties. Color, rich violet-purple with white petaloids tipped violet. The conspicuous golden throat extends outward in sharp bluish white rays.
- 5—**Gold Bound**. A fine double pure white, enriched by a creamy glow from the gold banded center.
- 6—**Uchiu**. (Universe.) Beautiful, six-petaled flowers of largest size, on the longest stems. Color, cerulean blue with golden center and white halo from which radiate many clear white lines. Standards white, tipped blue. This variety covers the longest blooming season and is altogether one of the most attractive.

7—**Iso-no-Nami**. (Shallow Waves.) A magnificent broad petaled variety; one of the largest flowered, and the latest to bloom. Color a nebulated suffusion of rose and cerulean blue over white; deepening towards the gold flushed center of rosy lilac.

By mail, 35 cts. each; \$3.50 per dozen.

By express, \$3.00 per dozen; \$20.00 per 100.

JAPAN IRIS SET OF THE 7 ABOVE

By mail, for \$1.75; by express, for \$1.60.

INTERMEDIATE IRIS

Handsome, large flowered, medium growing hybrids resultant from crossing the tall bearded Germans with the various Crimean hybrids. These are vigorous, hardy and free flowering, blooming in May just ahead of the taller Germanica class.

Dorothea. Milk white, clouded with porcelain blue, brown reticulations at base of all petals.

Freya. Pearl color, the falls flamed violet. Occasionally produces a fall crop of bloom. 25 cts. each; \$2.50 per doz.

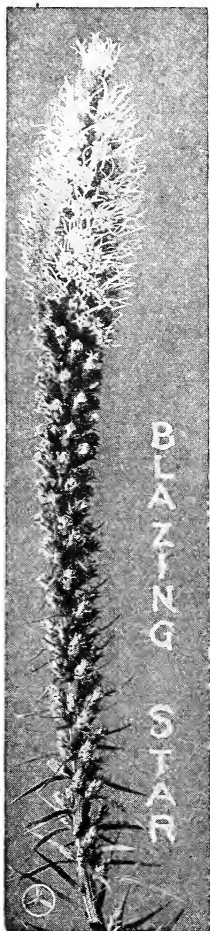
Halldan. Large flowers of good substance; creamy white.

Heige. Lemon yellow with pearl shadings.

Walhallia. Standards lavender, falls wine-red.

Unless noted,
20 cts. each;
\$2.00 per dozen.





Liatris Pycnostachya. (Blazing Star, or Gay Feather.) Unique, mid-summer flowers showing a blaze of light rosy purple from tip to base of each feathery stalk. 4 to 5 feet. 25 cts.; \$2.50 per dozen.

LILIES

Complete description on pages 81 and 82.

	Each	Doz.	Per 100
Regale. 2 yr..	\$.50	\$5. 00	\$40. 00
Auratum......	.30	3. 00	.....
" Extra	.40	4. 00	.....
Elegans......	.25	2. 50	.....
Henryi......	.50	5. 00	.....
Krameri......	.35	3. 50	.....
Longiflorum			
Giganteum	.25	2. 50	.....
Extra.....	.40	4. 00	.....
Speciosum			
Album......	.30	3. 00	22. 50
" Rubrum......	.25	2. 50	19. 00
Superbum......	.20	2. 00	15. 00
Tigrinum			
Splendens	.20	2. 00	.....
Lily of the Valley......		.50	3. 50
\$30. 00 per 1,000.			

Linaria Dalmatica (Hardy Snapdragon). Low-growing border plant for sunny, well-drained location; flax-like, glaucous blue foliage, and plentiful spikes of golden yellow flowers closely resembling miniature Snapdragons. 20 cts.; \$2.00 dozen.

Linum Narbonne. 2 ft. or better, in dense spreading clumps, the attractive foliage surmounted by numerous slender stems, bearing flowers of azure blue with white eye. Good for rocky or other dry location. 20 cts.; \$2.00 per dozen.

Lobelia Cardinalis (Cardinal Flower). Intense cardinal-red flowers arranged in stocky spikes 15 to 18 inches long, keep the plant aflame throughout August and September. Naturalizes easily in widely varied soils and degrees of light and moisture. 20 cts. each; \$2.00 per dozen.

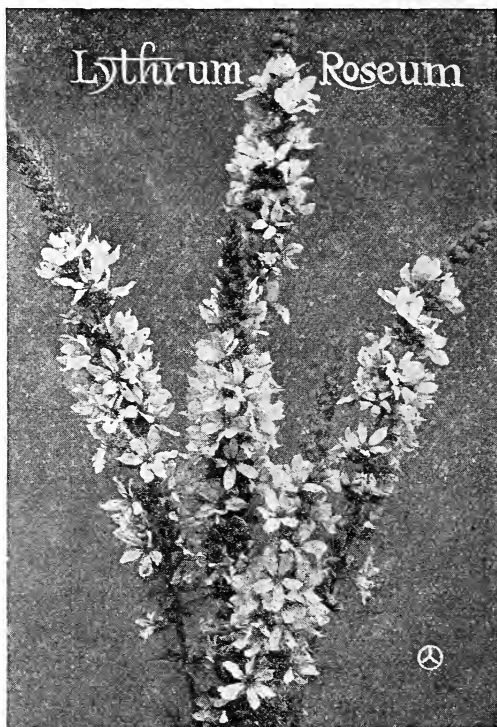
LYCHNIS. Thrifty plants of moderate growth valued for the blazy effectiveness of their summer flowers.

—**Chalcedonica** (Maltese Cross). Heart-lobed stars of brightest vermillion, arranged in large flat panicles. 2½ feet. 20 cts. each; \$2.00 per dozen.

—**Viscaria Splendens** (Lamp Flower). A bushy plant about 2 to 2½ feet high. Almost evergreen foliage; in June and July fairly ablaze with close spikes of crimson flowers. 25 cts.; \$2.50 per doz.

Lythrum Roseum Superbum. Shrubby perennial 2 to 5 feet, at its best in cool and moist location although quite successful in the average border and among shrubs. Bright rose-colored flowers are borne freely in long terminal racemes from June intermittently to Sept. 20 cts. each; \$2.00 per dozen.

Monarda Didyma (Bergamot). A 2 foot, bushy coarse-leaved plant, covered with round, full heads of ragged red flowers. The leaves are deliciously fragrant when crushed. 20 cts.; \$2.00 per dozen.

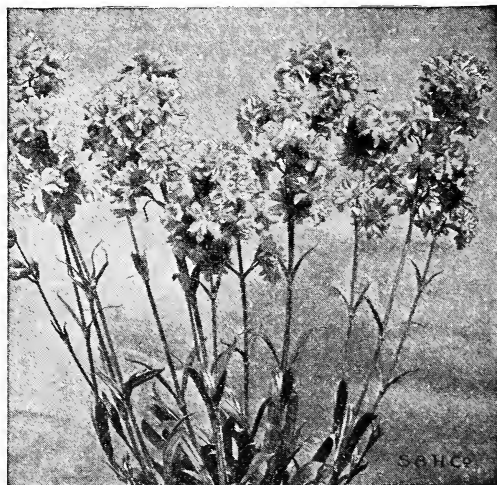


Hardy Myrtle (Vinca Minor). A trailing evergreen plant used extensively for carpeting the ground under shrubs or trees where it is too shady for grass or other plants to thrive. 15 cts. each; \$1.50 per doz.

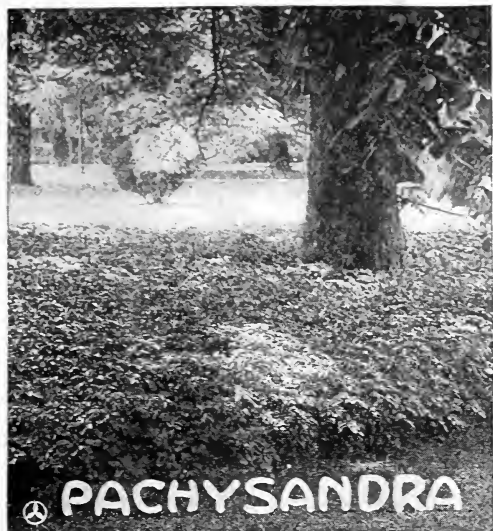
Nierembergia Rivularis (Cup Flower). A dwarf, creeping Alpine plant bearing large cream white, cup-shaped flowers from June till Sept.; a very desirable rockery plant. 20 cts.; \$2.00 per dozen.

OENOTHERA. (Evening Primrose.) Fresh foliaged plants blooming practically all summer; at home in the rockery or in exposed groups under the hot sun.

—**Youngi.** Bright lemon yellow, 1 to 2 inch flowers in numerous small clusters; plant stocky and upright, 18 inches. 20 cts.; \$2.00 per dozen.



Lychnis Viscaria Splendens



Pachysandra Terminalis. (Japanese Spurge.) One of the best ground covering plants particularly valuable in shade, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely, indented foliage is practically evergreen; thick, rubbery, lustrous dark green. It bears small spikes of light colored flowers during May and June. 20 cts. each; \$2.00 per dozen. By express, \$12.00 per 100; \$100.00 per 1000.

PAPAYER, Orientale. Brilliant "Oriental Poppy" with immense, flaming flowers of orange scarlet, in early spring. 25 cts.; \$2.50 per doz.

—**Nudicaule.** The "Iceland Poppies" bloom with extravagant freedom during early summer, and in lesser degree throughout; two-inch saucer-shaped flowers, on slender stems, making delightful bouquets, as well as a vivid garden show! **Orange, White and Yellow.** 20 cts. each; \$2.00 per dozen.



Oriental Poppy

PHYSALIS FRANCHETI

A unique and interesting novelty plant, grown for the high-colored, bladder-like fruits which cover the bush in late summer and autumn. These fruits average $1\frac{1}{2}$ to 2 inches in diameter, are a brilliant orange red when ripe, and by reason of their shape and texture, the bush is popularly called the "Chinese Lantern Plant." Branches of fruit may be dried for winter decoration. 20 cts.; \$2.00 per doz.



HARDY GARDEN PINKS



Old-fashioned clove and other spice-scented bloom in prime during May and June, but intermittently throught the season. They make compact clumps a foot or more in height, and provide a vast amount of very pleasing cutflowers.

Delicata. Soft, delicate rose pink and cream.

Elsie. Bright rose, with maroon center.

Her Majesty. Double, but smooth-edged; pure white.

Homer. Rosy red, with dark center.

Grenadier. A hybrid carnation; big, double,

fringed and scented, almost everblooming; crimson,

Juliette. White, laced with crimson.

Plumarius (Clove Pinks). Single flowers on long stems, almost continuous; lavender purple and white.

Variegated Reserve. White, the center distinctly mottled with rosy red.

Vienna. A hybrid carnation; free blooming and scented, of pleasing but not fixed colors.

White Reserve. Long blooming season; pure white. 25 cts.; \$2.50 per doz. By express, \$18.00 per 100.

Mixed Hardy Garden Pinks. Unnamed types selected for size of bloom, continuity and spicy fragrance; embracing various pronounced colors and combinations. 20 cts.; \$2.00 per doz. By express, \$15.00 per 100.

NEW PERPETUAL FLOWERING HARDY PINKS

(*Dianthus Allwoodi*). An important acquisition; the type bearing the largest, most distinct and colorful bloom of all, with extreme spiciness and long-cutting stems, their continuous blooming period extending from early spring until late autumn.

Joyce. Soft rose-pink with maroon center.

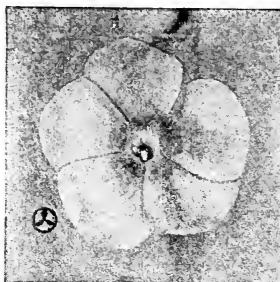
Peggy. Pinkish maroon, delicately fringed.

Phyllis. Tender pink, with light maroon center.

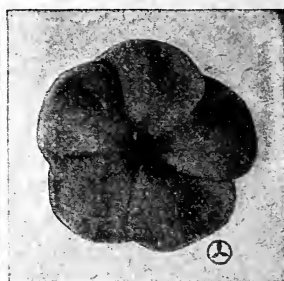
Robert. Delicate old rose, with maroon center. 30 cts. each; \$3.00 per dozen.



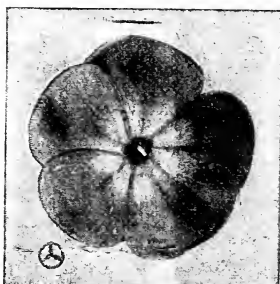
Giant Rose



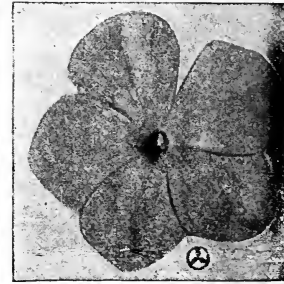
Bridesmaid



Beacon



Widar



Riverton Jewel

HARDY PHLOX

Perennial Phloxes can be used to advantage in the hardy border, in large groups on the lawn, or planted in front of belts of shrubbery, where, by judicious pinching back and removing faded flowers, a constant succession of bloom may be had until frost.

Included among the selected standard varieties of our list are 12 choice European introductions just released from bond, and making their initial appearance in our catalog. For your convenience, we note these novelties by a star (*) in front of name. **Strong field grown roots.**

Price per dozen = 10 × each rate.

Unless noted, 20 cts. each; \$2.00 per dozen.

By express, \$16.00 per 100.

Athis. Tall. Abundant, medium sized spikes of salmon pink.

Beacon. Compared with other modern reds, this variety has been outstanding thru several seasons; good size, good habit, vivid coloring, —unmixed, ripe cherry red. 35 cts.

B. Comte. Brilliant, rich and highly pleasing to the eye; French purple. 35 cts.

Bridesmaid. Beautiful trusses; white, crimson eye.

***Commander.** Exceptionally large flowered, with strong and bushy growth.

Brilliant cherry-red with conspicuous dark eye. 50 cts. (See color illustration on back cover.)

Daybreak. Dainty sea-shell pink.

***Deutschland.** Glittering orange carmine, deeper at center. A tall-growing, very showy variety. 50 cts.

***Dr. Charcot.** Deep violet ground, with a jagged flare of white at center. 35 cts. each.

***Dr. Koningshofer.** Fiery orange scarlet with blood-red eye. 50 cts. each.

Eclairer. Purple crimson, with light aureole.

Edmond Rostand. Reddish violet, with distinct star-shaped white center.

***Electra.** An interesting color shade; intense carmine, shot with violet. 50 cts.

Elizabeth Campbell. Salmon pink; dark crimson eye. This splendid variety is alternately on and off the market, because of excessive demand. 35 cts.

Etna. Broad florets; deep blood-red. 35 cts.

Europa. A strong, sturdy and distinct variety; white, with pronounced crimson-carmine eye.

Ferdinand Cortez. Deep crimson, overlaid coppery bronze towards the center. 25 cts. each.

***Feuerbrand.** Cerise and vermilion flamed with orange; one of the largest flowered in the orange-red section. 50 cts.

Franzen G. Von Lassburg. Moderate height, flowers and fruss of extreme size, purest waxy white.

Friedrich Passy. Light mauve-pink with distinct white center, panicles very broad.

***Gen. van Heutz.** Salmon red and white, with carmine eye. A soft and dainty color, yet striking. 50 cts.

Giant Rose. Bright rose pink with just a suggestion of salmon, violet red eye; extra large floret and truss. 30 cts.

***Imperator.** Brilliant carmine-red; strong growing and showy, with very dark foliage. 50 cts. each.

Jules Sandeau. Dwarf growth, but very large flower; pure lilac pink. A good solid color type.

La Vague. Immense, conical heads, borne in great profusion. Warm mauve with emphatic carmine eye; giving a general effect of lilac.

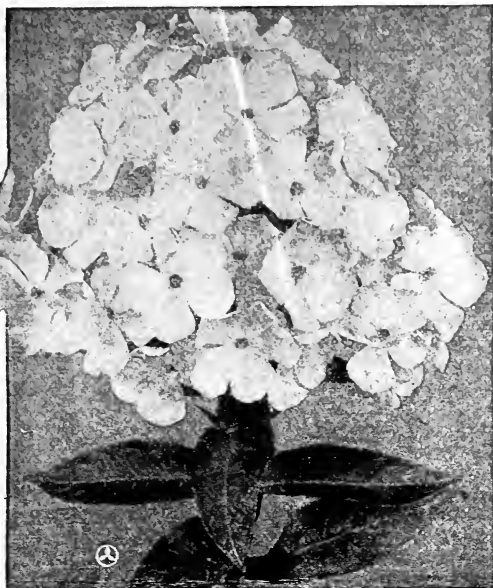
Lord Raleigh. Good sized trusses of medium florets; violet-purple.

Luminex. Rosy red.

Maid Benzonson. Bright aniline red.

Miss Lingard. Longest spikes of any Phlox—blossoms from the ground up; the earliest blooming, sweetly fragrant. Waxy white, lavender eye. (See illustration on back cover.)

Mrs. Charles Dorr. New; extra tall; with extra long, compact, pyramidal spikes of moderate sized florets. Its color is unique and attractive, a solid blue-mauve.



Mrs. Ethel Pritchard

HARDY PHLOX—Continued

***Mrs. Ethel Pritchard.** A beautiful self shade of rose-mauve. One of the extra fine new sorts. 50 cts.

***Mrs. Scholten.** Very large pyramidal trusses and free bloom. Dark salmon pink. 35 cts. each.

Mrs. Wm. Jenkins. An early and free bloomer, one of the best tall varieties. Flowers pure white.

Peach Blossom. Soft, dainty, "peach-blossom" pink.

Prof. Virchow. Broad flat flowers; bright carmine with an over-lay of orange scarlet. 25 cts. each.

***Reichsgraf von Hochberg.** Extra size, and depth of color; amaranth purple. 35 cts.

Rheinlander. A rare salmon-pink, intensified by a distinct claret-red eye. Big flowers and truss.

Richard Wallace. A thrifty, violet-eyed white.

Riverton Jewel. Tender peach-blossom pink with bright rose eye and suffusion; large flower and truss.

Rosenberg. Extremely large florets in a loose truss; reddish violet or wine color, with blood-red eye.

R. P. Struthers. A smooth blending of rosy carmine, with salmon; claret-red eye. A choice soft red sort.

Ryndstrom. A lively Neyron shade of rose-pink.

***Septembergluth.**

Tall growth and vivid color effect; dark salmony carmine. 50 cts. each.

Sir Edwin Landseer. Light red, tinged with rose.

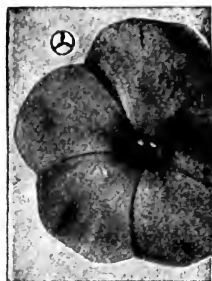
Special France. A distinctive new sort. Color tender rose, a trifle lighter than Ryndstrom, modified by the large eye of carmine-rose.

Thor. Deep salmon-pink, suffused and overlaid with scarlet. The eye of aniline red centers a most attractive aureole nearly pure white. 25 cts.

Widar. Light reddish violet with large white center.

Unless noted, 20 cts. each; \$2.00 per dozen.

By express, \$16.00 per 100.



Mrs. Scholten



Rosenberg

PHLOX SUBULATA

Ground covering, creeping phlox, or "Moss Pink."

Rosea. Bright rose-pink flowers. } 20 cts. each;
Alba. White. } \$2.00 per dozen.

PHYSOSTEGIA. Handsome mid-summer flowering plants, 2 to 4 feet high; bearing broad trusses of tubular flowers of delicate but conspicuous beauty.

—**Speciosa Alba.** Pure white, very large, dense.

—**Virginica.** Delicate purplish rose.

20 cts.; \$2.00 per dozen.

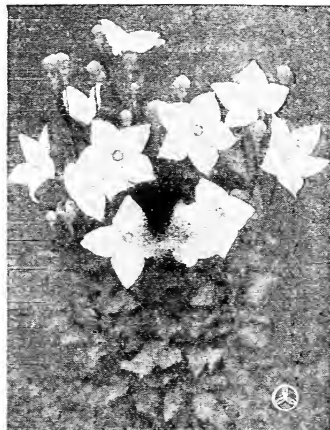
Platycodon Grandiflorum (Balloon Flower). Blooms constantly from July until late in September; flowers large bell-shaped, in numerous loose racemes. **Blue or White.** 15 cts.; \$1.50 per dozen.

—**Mariesi.** Numerous, two inch dark blue bells. Dwarf growing; one of the most useful border plants. 20 cts.; \$2.00 per dozen.

Plumbago Larpentae (Lead-wort). An attractive 12 inch edging plant. The tiny leaves of apple green are a rich setting for spikey red buds, and clusters of phlox-like cobalt blue flowers late in summer. 20 cts.; \$2.00 per doz. By express, \$18.00 per 100.



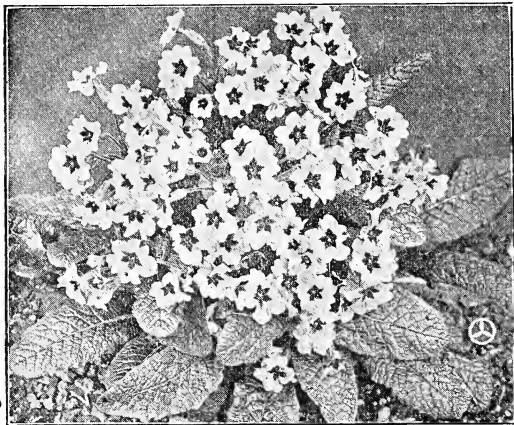
Physostegia



Platycodon Mariesi



Plumbago Larpentae

**Polyanthus Giant Yellow**

Polyanthus Giant Yellow. A favorite garden form of hardy Primrose, resplendent thruout the spring months with full racemes of large golden yellow flowers. 20 cts.; \$2.00 per dozen.

Primula Cashmeriana. Large globular heads of a pleasing purplish blue shade, on leafless stems. Prefers a moist, shaded situation. 25 cts.; \$2.50 per dozen.

Pyrethrum Hybridum (Painted Daisy). A very colorful garden show from June on. The flower varies from a full petaled anemone or Marguerite shape, to a larger size in plain single. The colors are bright in shades of red and pink.

—**Single Mixed.** 20 cts.; \$2.00 per dozen.

—**Double Mixed.** 25 cts.; \$2.50 per dozen.

RUDBECKIA "Golden Glow." 5 to 7 feet; early summer until frost. Flowers golden-yellow.

—**Purpurea** (Purple Cone-flower). Large drooping petals colored reddish purple, with a remarkably large cone-shaped center of brown, thickly set with golden tips in spiral lines. 2 to 3 feet.

All 20 cts.; \$2.00 per dozen.

Holt's Mammoth Sage. Although quite attractive as an ornamental plant, with its gray-green wrinkled foliage and spikes of pale blue flowers, this sage is cultivated for the culinary flavor and medicinal virtues of its leaves. 15 cts. each; \$1.50 per dozen.

SALVIA—Azurea Grandiflora (Meadow Sage). Very pretty in August and September with its profusion of skyblue flowers. Spreading, 2 to 4 foot plants, with swaying flower wands which arch gracefully clear from the crown. 25 cts.; \$2.50 per dozen.

—**Pitcheri.** A much branched, densely blooming type of the Rocky Mountain Sage, its wands 3 to 4 feet high; a rich, deep shade of gentian blue. Aug.-Sept. 30 cts. each; \$3.00 per dozen. (See illustration below).

—**Nutans.** Flat stools of heavily netted, dark green foliage, with sparsely clothed stems 2 to 3 feet high; the whorled flower heads made up of short racemes, the calyx reflexed and corolla a brilliant violet color. 20 cts.; \$2.00 per dozen.

—**Patens.** A short, stocky type 1 to 2½ feet high, very popular for bedding by reason of its extra large flowers and the brilliancy of the extremely dark blue color. The tube is broad, with corolla 2 inches or more long. 20 cts.; \$2.00 per dozen.

Saxifraga (Rockfoil). Useful for front of the border or rockeries, their 12 inch growth of broad green foliage being effective all the year; their dainty umbels of flowers breaking out very early in spring.

—**Cordifolia.** Light pink. 20 cts. each; \$2.00 per doz.

Scabiosa. Very showy, freely produced cutflowers, on stems 18 to 24 inches long; June-Sept.

—**Caucasica** (Blue Bonnet). A soft lavender blue.

—**Alba.** Flowers pure white.

20 cts.; \$2.00 per dozen.

SEDUM (Stone Crop). Hardy plants which can be used to advantage in poor, sandy or rocky soil, which would be otherwise barren.

—**Acre** (Golden Moss). Very dwarf and compact, largely used for edging, or for carpeting graves. Foliage green, the all-covering flowers bright yellow. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.

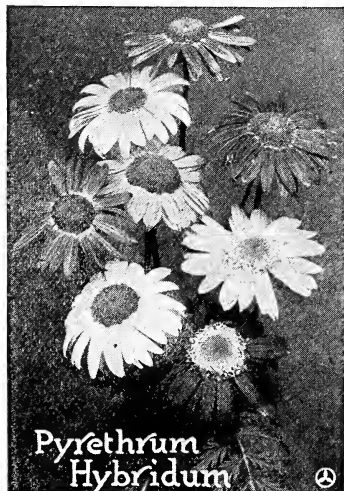
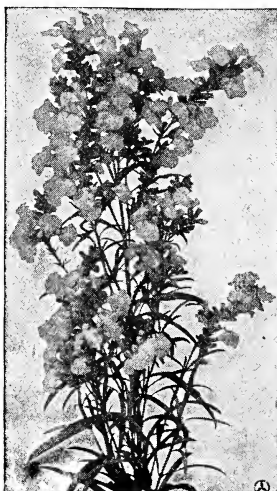
—**Pruniatum Forsterianum.** Golden yellow flowers, and many trails of creeping foliage, a pretty glaucous green. 35 cts.; \$3.50 per dozen.

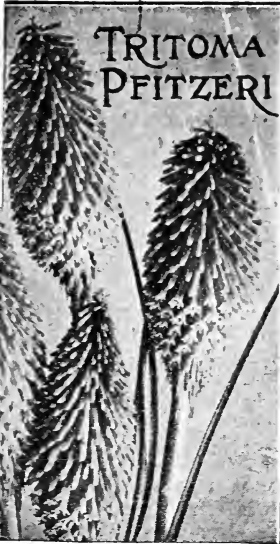
—**Sarmentosum.** An excellent dwarf variety for low edging and rockery. 20 cts.; \$2.00 per dozen.

—**Coccineum.** Dwarf; crimson flowers. 15 cts. each; \$1.50 per dozen.

—**Spectabilis.** Of upright growth, 15 to 18 inches high. Foliage, rounded, thick and rubbery, crowned with massive flat cymes of light rose-colored flowers. 20 cts.; \$2.00 per dozen.

—**Brilliant.** A new form of above, with dark crimson flowers. 25 cts.; \$2.50 per dozen.

**Pyrethrum Hybridum****Scabiosa Caucasica**



The "Red Hot Poker"

Spiraea Ulmaria (Meadow Sweet). Adapted best to partially shaded, moist location; its handsome foliage and three foot plumes of double white flowers at their best in June and July. 20 cts.; \$2.00 per dozen.

Stachys Lanata (Woundwort). Strong foliage contrast; the dense leafage being a sheeny silver white, with the wooly surface and substance of felt. Small spikes of light purple flowers appear in July and August. 1 ft. 20 cts.; \$2.00 per dozen.

Statice Latifolia (Sea Lavender). Grows 15 to 18 inches high in clumps of thick, leathery foliage, with loose panicles of tiny delicate blue flowers, in heads 18 inches or more across. Will last for months if carefully dried. 25 cts.; \$2.50 per dozen.

Stokesia Cyanea (Stoke's Aster). July to October. Flowers of Centaurea shape, often measure 4 to 5 inches across, bright lavender blue. 1½ to 2 feet. 20 cts.; \$2.00 per dozen.

Teucrium Chamaedrys. Shrub-like plant of excellent habit, 1 foot. Glossy green foliage, and purple flower spikes in July-Aug. 30 cts.; \$3.00 per dozen.

Tradescantia Virginica Alba. Clustered white blossoms all summer. 20 cts.; \$2.00 per dozen.



Spiraea Ulmaria

Tritoma Pfitzeri. (Red Hot Poker.) Rush-like foliage supports smooth thick flower stalks a yard long, with a single fiery cone at the top. Brilliant scarlet, the opened lower petals rimmed with orange. July-September. Must be carefully protected or else carried dormant in dry sand during winter. 30 cts.; \$3.00 per dozen.

—**Quartiniana**. A thick stalked variety, blooming late in May with flower cones 10 to 12 inches long. Orange red at first, but yellow on bottom half as bloom matures. 30 cts.; \$3.00 per dozen.

TROLLIUS (Globe Flower). Delightful low-border plants 1 to 2 feet high, yielding a continuous show of small deep cupped flowers from May to August in light soil and partial shade.

—**Orange Globe**. Waxy, orange yellow globular flowers. 35 cts.; \$3.50 per dozen.

VALERIANA—Officinalis (Hardy Heliotrope). Grows 3 to 4 feet high with thick spikes of flowers during June and July; white, slightly roseate, resembling the tender Heliotropes, with the strong, sweet heliotrope scent. 25 cts.; \$2.50 per dozen.

—**Alba**. White flower spikes. 20 cts.; \$2.00 per doz.

Valeriana, Rubra. Hyacinth-like heads of reddish flowers. June-Oct. 2 ft. 20 cts.; \$2.00 per dozen.

VERONICA (Speedwell). A very useful family of blue flowers, varying in size and shade, but all showily available for low borders.

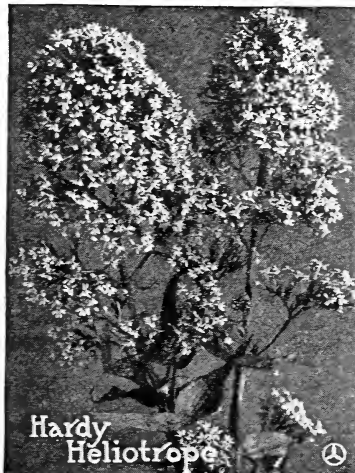
—**Incana**. Showy silver white foliage, plants about 1 ft. high. Slender spikes of amethyst blue in July and August. 20 cts. each; \$2.00 per dozen.

—**Longifolia Subsessilis** (Blue Bird Flower). 2 ft. Leaves roughened bronze-green. Flowers are borne abundantly from July to September, in long, thick, compact spikes. Deep indigo blue. 20 cts. each; \$2.00 per dozen.

—**Repens**. Creeping. 3 to 4 inch rock plants, light blue flowers in May-June. 20 cts.; \$2.00 per dozen.

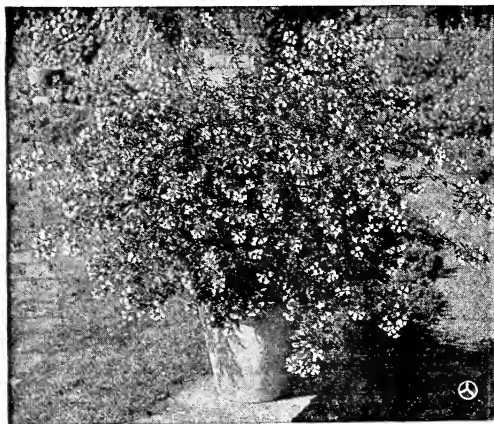
—**Spicata Rosea**. 1½ feet. Long spikes of pink flowers in June and July. 30 cts.; \$3.00 per dozen.

Yucca Filamentosa. (Spanish Bayonet.) The broad sword-like foliage is evergreen; while midsummer shows great erect branching stems bearing a showy display of pendant, creamy white bells. 2-year. 25 cts.; \$2.50 per dozen. 3-year, 35 cts.; \$3.50 per dozen.

Orange
Globe FlowerHardy
HeliotropeSpanish
Bayonet

HARDY ORNAMENTAL SHRUBS

120 All Shrubs are Priced for Freight or Express, Except Where Specially Stated "Mail Size"



Abelia Grandiflora

ABELIA GRANDIFLORA. An attractive dwarf shrub, suitable for a sunny, sheltered position anywhere the winters are not extreme; with small shiny foliage which is almost evergreen. The flowers are small, but very pretty and numerous, in loose terminal panicles; color, white flushed with pink. This shrub is rarely without some bloom from June into November. 2 to 3 ft.—65 cts.; \$6.00 per 10.

ALMOND. Early spring flowering shrubs, gaily in full bloom before the leaves appear, with beautiful, double flowers of rose or white, snuggling tight to the twigs.

—**Double White and Double Pink.** 1½ to 2 feet—85 cts. each; \$7.50 per 10. 2 to 3 feet—\$1.00 each; \$9.00 per 10.

ALTHEA. (Rose of Sharon.) Bloom late in August and September, with a profusion of large and brightly colored flowers much like the tender Hibiscus in form. These are the color spots of fall, as Lilacs and Wiegels are of spring. The late appearing foliage is extra good and valuable for its beauty alone. Grown in standard form, they attain 10 to 12 feet in height and make attractive specimens. Planted more compactly and occasionally pruned, they are

both serviceable and showy as hedges. Should not be planted in very cold northern sections.

—**Double Rose, Double White, Double Purple.**

—**Double Red and Double Striped.**

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—75 cts. each; \$6.50 per 10.

—**Totus Albus.** Handsome single flowers of largest size, pure white except for a creamy tone at center. 2 to 3 feet—75 cts. each; \$6.50 per 10.

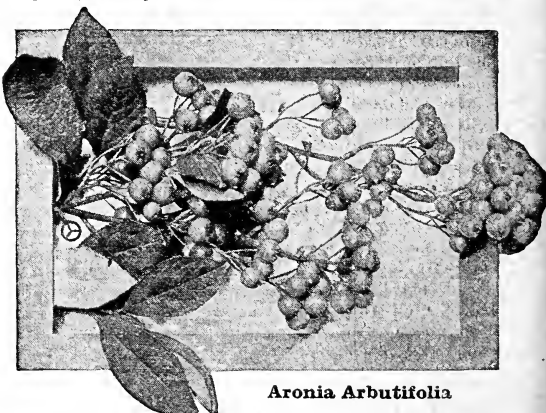
—**Variegated Leaved.** This is one of the handsomest variegated leaved shrubs that grows. The Althea foliage is always attractive; but nothing else can equal their charm when broadly blotched and banded with cream and silver.

2 to 3 feet—85 cts. each; \$7.50 per 10.

—**Tree Shaped.** Red flowered and White flowered. Headed up in tree form for use as solitary specimens, or in groups with dwarfier shrubs beneath the spreading top. 3 to 4 feet—85 cts. each; \$7.50 per 10.

AMORPHA FRUTICOSA. Grows 6 to 10 feet high in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue, in June. 2 to 3 feet—50 cts. each; \$4.00 per 10.

ARALIA PENTAPHYLLA. Long, slender, gracefully arching branches and bright green, compound foliage. Makes a small tree in time, especially attractive on rocky slopes. Greenish white flowers in long umbels. 2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—90 " " 8.00 "



Aronia Arbutifolia

ARONIA. (Chokeberry). Attractive, perfectly hardy shrubs preferring moist location, but equally good in dry soil. Leaves are smooth, pale green, coloring vividly to red in fall. Flowers are a tinted white in numerous small corymbs, succeeded by conspicuous, persistent berry-like fruits.

—**Arbutifolia.** Upright, 6 to 10 feet; very pretty in April and May with an abundance of white flowers; its red fall fruits carrying well into winter.

2 to 3 feet—80 cts. each; \$7.00 per 10.

3 to 4 feet—\$1.00 " 9.00 "

BOX-BARBERRY. An improved Thunbergi type, inheriting the barberry hardness, and in every other way available like its parent; but with foliage so round and dense, and growth so evenly compact, it bears a striking resemblance to Boxwood. Slower and lower growing than Thunbergi, its density allows closer trimming; so that—again like Boxwood,—sheared specimens may be trained into perfect globes or pyramids, as well as in the conventional cropped hedge. 2 years—8 to 10 inches, 50 cts. each; \$4.50 per 10; \$40.00 per 100.



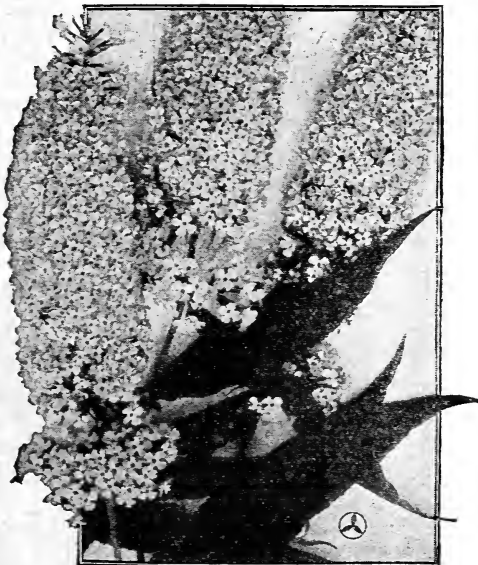
**Double
"Rose of
Sharon"**



Berberis Thunbergi

BERBERIS Thunbergi. (Japan Barberry.) There is no shrub in existence so generally planted or more practical for all purposes where beautiful foliage effect is desired, than this. It is dwarf growing, uniformly bushy and rounded in form, susceptible to formal pruning, with small, numerous leaves densely covering the thorny twigs. These give it paramount importance for use as a filler, and edging for shrubbery groups; as a foundation screen in front of porches; and, above all, as a compact, impassable, hardy, low hedge for confining lawns or dividing properties. Although variable in accordance with seasonable conditions, autumn paints the foliage scarlet or bronze, and studs the branches with crimson fruits. 1 year mail size 20 cts. each; \$1.50 per 10; \$12.00 per 100.

	Each	Per 10	Per 100
12 to 18 inches.....	\$0.25	\$2.00	\$18.00
18 to 24 inches.....	.40	3.50	30.00
24 to 30 inches.....	.50	4.50	40.00



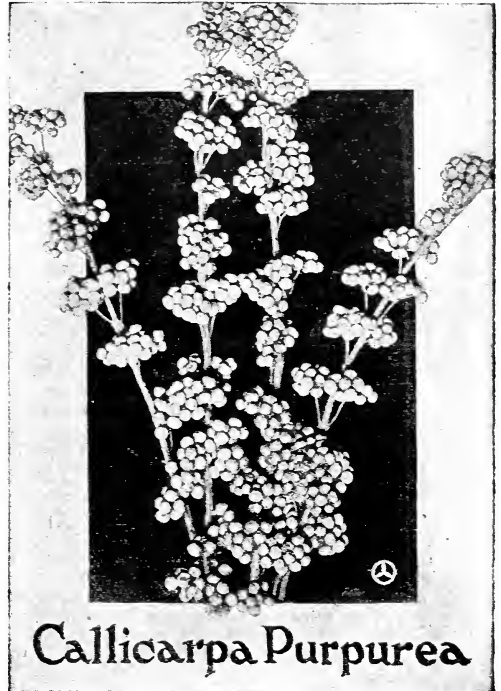
Buddleia Magnifica

BUDDLEIA. ("Butterfly Bush," "Summer Lilac.")

Of quick bushy growth; when the lovely bloom-spikes appear in July, the shrub, which had probably died down nearly to the ground during winter, is now a perfect, well-branched specimen of about five feet; radiating a delightful perfume and glowing with the tints and flower shape of the Spring Lilacs.

—**Magnifica.** This variety is one of the hardiest for all sections. Flower spikes 10 inches in length by 3 inches in diameter are not unusual. Color deep violet-rose, with a pronounced orange center; the margins of petals neatly reflexed. 2 yr. 50 cts., \$4.00 per 10. 1 yr. 20 cts.; \$1.80 per 10.

—**Farquhari.** Rather dwarf, compact growth; with numerous medium sized flower spikes, rich lilac purple. 2 yr.—65 cts.; \$5.50 per 10. 1 yr. (Mail size)—30 cts.; \$2.50 per 10.



Callicarpa Purpurea

CALLICARPA PURPUREA. A pretty shrub from 1 to 4 feet high, more at home south of the Ohio, but practical in the North if given a sheltered position and winter protection. It blooms profusely during August with small axillary clusters of pink flowers, these followed by berry-bunches colored a light violet. If top should freeze, young shoots will come up and flower and fruit the next season.

2 to 2½ feet—60 cts. each; \$5.00 per 10.

CALYCANTHUS. (Carolina All-spice.) A unique shrub growing upright to 6 feet, clothing its straight strong, reddish brown shoots with large glossy leaves, from the axils of which spring odd, double, spicily fragrant flowers of chocolate-red. Mail size, 20 cts. each.

18 to 24 in.—60 cts. each; \$5.00 per 10.

CARYOPTERIS MASTACANTHUS. (Blue Spirea.) A fine shrubby border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. Not entirely hardy in the north and should be heavily protected.

Strong 2 yr. plants,—35 cts. each; \$3.00 per 10.



Cornus Elegantisima Variegata

CEPHALANTHUS OCCIDENTALIS. (Button Bush.)

Forms a dense rounded bush four to six feet high, especially adapted to damp locations; in July covered with large, fragrant, ball shaped greenish white flowers. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

CLETHRA ALNIFOLIA. (Sweet Pepper Bush.) A handsome little shrub, delightfully fragrant in August and September when covered with long, showy wands of creamy white flowers. It is valuable for the front of the border, as it grows only 3 to 5 feet tall, and on account of its pleasing scent, is very popular in the little shrub groups so often planted in the corners made by the porch steps. 18 to 24 in.—7 cts. each; \$6.00 per 10.

COMPTONIA ASPLENIFOLIA. (Sweet Fern.) A dwarf native shrub useful to cover banks and dry, sandy or stony soil. The bushes are much branched and twiggy, with fern-like, scented foliage. Brownish flower heads and clusters of slender, inch-long catkins at ends of branchlets, keep them interesting at all times. 18 to 24 inches, 75 cts. each; \$6.50 per 10.

CORNUS. (Dogwood.) The shrubby Dogwoods are mainly valuable for the brilliancy of their barks and berries, and the handsome variegations of their foliage. All varieties do well in shade. May be used to advantage in extensive shrub groups where requirement is an expanse of green foliage, the fall fruits calling a welcome assemblage of birds; and the tangled mass of highly colored twigs enlivening the prevailing somberness of shrubbery in winter.

—**Alternifolius.** (Blue Berried Dogwood.) One of the large shrubs, sometimes reaching to 25 feet, of distinct and graceful form. The branches being arranged in whorls gives a very pleasing tier-like effect. White flowers by June, followed by plentiful deep blue berries. 2 to 3 feet—70 cts. each; \$6.00 per 10.

—**Sibirica.** Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches turning to blood-red in winter. 2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10. Mail size—20 cts. each; \$1.80 per 10.

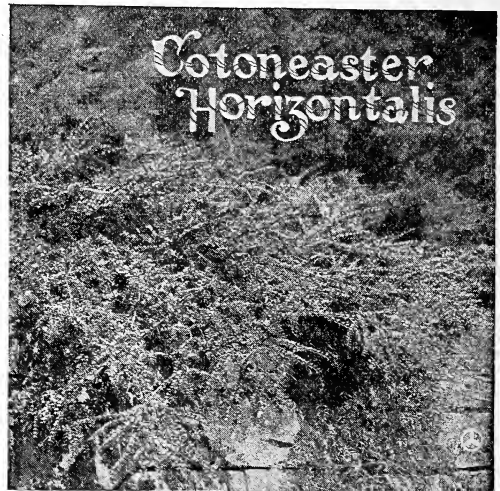
—**Elegantissima Variegata.** Grows 8 to 10 feet high, with purplish red branches and beautiful silver variegated foliage. This is one of the choicest variegated leaved shrubs, capable of refined compact shape by pruning, of value both summer and winter. 2 to 3 feet—85 cts. each; \$7.50 per 10.

—**Spaethi Aurea.** Leaves broadly margined yellow; of branchy, spreading habit. 2 to 3 feet—85 cts.

—**Paniculata.** (Gray Dogwood.) One of the best sorts for tall shrub groups (6 to 15 feet). Showing a profusion of good sized white flowers in June. Berries white, on noticeable red stems. Bark and underside of leaves gray. 2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Sericea.** (Silky Dogwood.) Usually dwarf growing with silky leaves, and dense cymes of greenish white flowers in early summer. Bark purplish, fruits black.

—**Stolonifera.** (Red Ozier Cornel.) Medium sized and spreading, dark red bark and white flowers, berries white. **Sericea and Stolonifera prices:** 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10. Mail Size—20 cts. each; \$1.80 per 10.



COTONEASTER

A class of handsome fruiting shrubs only recently brought into general use. Their brilliant autumn foliage and vivid fruits adapt them to rockery and wall adornment, as well as to any usage in well drained soil with plenty of sunlight. These are fully described, and priced as pot plants, on page 64.

Applanata. (6 ft.) Bushy; slender, arching stems; fruit bright red. 18 to 24 in.—\$1.50 each; \$14.00 per 10.

Divaricata. (6 ft.) Oval, lustrous, fall crimsoning leaves. Fruits bright red. 18 to 24 inches—\$1.50 ea.; \$14.00 per 10. 2 to 3 feet—\$2.00 each; \$19.00 per 10.

Francheti. Upright, densely branched; elliptic leaves yellowish white beneath. (Supply very limited.) 18 to 24 inches—\$1.50 each. 2 to 3 feet—\$2.00 each.

Horizontalis. Densely spreading, horizontal branches. Shiny oval leaves; persisting scarlet fruits. 12 to 15 inches—\$1.50 each; \$14.00 per 10. 15 to 18 inches—\$2.00 each; \$19.00 per 10. 18 to 24 in.—\$2.50 each.

Nepalensis. (6 ft.) Erect; with oblong acute leaves, dull green above, light green beneath, quite hairy. Flesh-white flowers in nodding cymes; fruits deep scarlet. (Supply limited.) 2 to 3 feet—\$2.00 each.

Nitens. Related to Divaricata, and similar, with broadly oval lustrous leaves; but differing in the pendulous fruit which is purplish black. 18 to 24 inches—\$1.50 each; \$14.00 per 10.

**Deutzia Crenata Fl. pl.**

CYDONIA JAPONICA. (Japan Quince.) Very early in spring this fine old shrub is completely covered with dazzling scarlet flowers; followed by small, quince-shaped fruits which are quite fragrant. Growth bushy with protecting thorns.

18 to 24 in.—50 cts.; \$4.00 per 10; \$35.00 per 100.

DEUTZIAS

Valuable, self-sustaining shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers, borne thickly in wreaths along their branches in June.

Candidissima. Double pure white flowers. 2 to 3 feet, 50 cts. each; \$4.00 per 10.

Crenata. Tall, distinct type; single white.

Crenata, fl. pl. Double white, tinged pink.

Watereri. Large, pink, flat flowers in loose racemes.

Above 3 sorts:

2 to 3 feet—60 cts.; \$5.00 per 10; \$45.00 per 100.

3 to 4 feet—70 cts.; \$6.00 per 10; \$55.00 per 100.

Gracilis. (Slender Branched.) Dwarf growing, dense, bushy, its drooping branches wreathed with pure white flowers in May. Also valuable for winter blooming in pots. Mail size, 20 cts. each.

12 to 15 inch—50 cts.; \$4.00 per 10.

15 to 18 inch—60 " " 5.00 "

Carminea. Has same habit as Gracilis, but grows slightly taller and has deep rose colored flowers. 18 to 24 inches—60 cts.; \$5.00 per 10.

Lemoinei. Medium large flowers of pure white borne in cone-shaped heads. Mail size 25 cts. each.

15 to 18 inch—60 cts. each; \$5.00 per 10.

18 to 24 inch—70 " " 6.00 "

2 to 3 feet—80 " " 7.00 "

Magnifica. Of the Crenata type; erect panicles double flowered, a mass of pure white bloom in June. This is one of the handsomest and most conspicuous of all. 15 to 18 in.—60 cts. each; \$5.00 per 10.

Pride of Rochester. Grows 6 to 8 feet high; and blooms in May before the others. Flowers large and free, double, white. Mail size, 25 cts. each. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Venusta. Leaves rough, flowers campanulate, in numerous panicles, filaments slightly toothed; pure white. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 " " 6.00 "

EXOCHORDA GRANDIFLORA. (Pearl Bush.) It grows vigorously to a height of 6 to 10 feet. The early buds look like pearls strung on slender threads,

May opening them up to long, gleaming sprays of pure white, is one of the showiest shrubs.

2 to 3 feet—70 cts. each; \$6.00 per 10. 3 to 4 feet—80 cts.; \$7.00 per 10. 4 to 5 feet—\$1.00 each.

ELDER. (Sambucus.) Although the Elders are attractive in flower and fruit, they are chiefly grown for their beautiful leaves. They grow well in all soils, and must have vigorous pruning to keep them in shape.

—**Acutiloba.** (Cut-leaved Elder.) Great handsome cymes of delicate, white, fragrant flowers in June and July, followed by large clusters of fruit.

2 to 3 feet—60 cts.; \$5.00 per 10.

3 to 4 feet—70 cts.; \$6.00 per 10.

—**Aurea.** (Golden Elder.) Contrasted with other shrubs, the golden yellow leaves of this European Elder give heightened effects in tone and color. Flowers white, in flat topped cymes. Grows naturally 10 to 15 feet, but can be pruned into a neat, compact little bush. 2 to 3 feet—60 cts.; \$5.00 per 10.

—**Canadensis.** (American Elder.) Immense flat topped cymes of white flowers in early summer; followed in August and September by luscious black fruits—the source of Mother's "Elderberry pie."

2 to 3 feet—50 cts. each; \$4.00 per 10.

3 to 4 feet—60 " " 5.00 "

—**Tenuifolia.** (Fringed Leaf Elder.) A distinct type with deeply cleft foliage. 2 to 3 feet, 65 cts. each; \$5.50 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

—**Variegata.** Tall, vigorous, black fruited; its conspicuous leaves quaintly mottled with white and yellow. 2 to 3 feet—60 cts. each; \$5.00 per 10.



FORSYTHIA. (Golden Bell.) These splendid old shrubs growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before leaves appear. The upright forms make excellent tall hedges, and are bright-hued fillers for massed shrub groups.

—**Intermedia.** The earliest blooming.

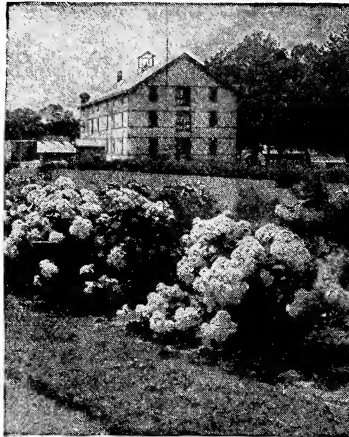
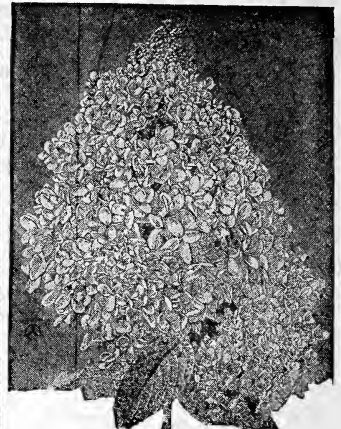
—**Viridissima.** Twisted flowers. Not dependable for hardiness in northern latitudes.

—**Fortunei.** The most upright in growth.

Above { 2 to 3 feet—60 cts. each; \$5.00 per 10.

Forsythias { 3 to 4 feet—70 cts. each; \$6.00 per 10.

—**Suspensa.** Slender, limply drooping branches strung with bright rosettes of yellow bloom and shiny leaves. These are airily graceful, swaying loose from trellis top or garden wall; or mingle pleasantly with the trailing growth of Honeysuckle, Wichuriana roses and other ground covering vines. 2 to 3 feet—70 cts. each; \$6.50 per 10.

**Bush Honeysuckle Flowers****Hydrangea "Hills of Snow"****Hydrangea P. G.**

FRINGE, Purple (Smoke Tree). *Rhus Cotinus*. A conspicuous spreading shrub or small tree with large clusterly round leaves; overhung in midsummer by mist-like clouds of tiny flowers. These billowing panicles are a light lavender when fresh, very persistent, and give the impression of smoke at a distance. 2 to 3 feet—80 cts. each; \$7.00 per 10.

White. *Chionanthus Virginica*. A very showy shrub, growing to large size; with large leathery, shiny leaves, and lance-like white flowers borne in gracefully drooping panicles. Although tree-like in character, the branches and heavy foliage are usually well furnished close to the ground, making a broad and rounded bush of noble proportions. 2 to 3 feet—85 cts. each; \$7.50 per 10.

HALESIA TETRAPTERA (Silver Bell Tree). A neat and pretty little tree, with large, dark green leaves. May be grown as a shrub. In May while the leaves are yet small, its branches are hung thickly with small white or pinkish drooping bells about one inch long. These are followed by large and curious winged seeds which impart to it a strangely ornamental effect. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—80 cts. each.

BUSH HONEYSUCKLES

The upright Honeysuckles have bright, pretty flowers followed by showy berries that last through the fall. Make very desirable bulky screening hedges; and the nucleus of tall shrub groups. First of the shrubs to clothe themselves in spring verdure.

Bella Albida. A handsome hybrid of strong growth. Flowers white, in great fragrant clusters, followed by attractive ropes of red berries. 2 to 3 feet—60 cts. each; \$3.00 per 10. } Mail size, 3 to 4 feet—70 " " 6.00 " 25 cts.

Bella Candida. Tall growing; white flowers and plentiful red berries. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.

Carpatica. Similar in growth and character to Tart. Alba, but the flowers are light pink. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Fragrantissima. Not a showy sort, but its early pink and white flowers are sweetly fragrant, and its foliage remains until late in winter, if somewhat sheltered. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.

Grandiflora Rosea. Bright pink flowers in abundance, and very fresh, rounded foliage; one of the most noticeable. 2 to 3 feet—70 cts. each; \$6.00 per 10. 3 to 4 feet—85 cts. each; \$7.50 per 10.

Korolkovi (Blue Leaf Hskl.). Small, narrow but numerous bluish green leaves on slender arching stems. The flowers are a pretty light pink, followed by bright red fruits; one of the most attractive. 2 to 3 feet \$1.00 each; \$9.00 per 10.

Morrowi (Japanese Bush Honeysuckle). A spreading variety growing 4 to 6 feet, with early creamy white flowers, followed by pretty red berries. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 " " 6.00 "

Ruprechtiana. A new early flowering variety with showy white flowers, well set with bright red berries in June. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 " " 6.00 "

Tartarica Rubra. Sturdy upright growth; flowers light crimson; fruit bright red. 2 to 3 feet—70 cts. each; \$6.00 per 10.

Tartarica Alba. Flowers bluish white. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.

HYDRANGEA

The massiveness of bloom on these valuable shrubs and their long blooming season, assures them a place in every grouping where solid white effects are required.

Arborescens Grandiflora ("Hills of Snow"). The flowers are, in a large way, similar to the familiar "Snowball" in appearance; conspicuously white and imposing. July to September. By cutting back to the crown each spring, the bushes may be kept round and dense at a normal height of three to five feet. They are excellent for solid low borders or in foundation plantings which will allow for about four feet. 18 to 24 inch—75 cts. each; \$6.50 per 10. 2 to 3 feet—85 cts. each; \$7.50 per 10. Mail size, 25 cts. each; \$2.00 per 10.

Paniculata Grandiflora. Fine tall, hedges, or if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, dwarf clumps of compact form, wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. August till autumn. Planted rather well back in the intervals between other shrubs, the projecting flower wands arching from the ground are extremely conspicuous and effective. 15 to 18 inch—50 cts. each; \$4.00 per 10. 18 to 24 inch—60 cts. each; \$5.00 per 10. Mail size, 25 cts. each; \$2.00 per 10.

—**Tree Shaped.** Very desirable in this form, in formal lines and backgrounds, or solitary; 3 to 4 feet—\$1.25 each; \$11.00 per 10.



Gloire de Lorraine

HYPERICUM (Gold Flower)

An attractive, useful class of fairly hardy shrubs now becoming popularized for dwarf and medium location in shrub groups and foundation plantings. Their dense, rounded construction of fine twigs and small, usually shiny leaves are well adapted to this purpose; the abundance of fully distributed bloom providing an otherwise difficult display of yellow.

Densifolium. Flowers bright yellow, $\frac{1}{4}$ inch across, in broad, dense, many-flowered corymbs. 24 to 30 inches—60 cts.; \$5.00 per 10.

Henryi. A spreading, somewhat procumbent shrub with smooth, purplish, arching branches; quite vigorous and hardy. Yellow flowers 2 to 2½ inches across. 2 year—60 cts.; \$5.00 per 10.

Kalmianum. The foliage is an attractive shade of bluish green, the compact shrub growth attaining about 2 to 3 feet. The yellow flowers are small, but in good sized cymes, quite showy during August. 24 to 30 inches—75 cts. each; \$6.50 per 10.

KERRIA JAPONICA FL. PL. (Double Japan Corchorus.) A very bright and cheerful dwarf to medium shrub, particularly adapted to sunny foundation plantings; not dependably hardy this far north. Its very numerous branches are graceful, slender, shiny, arching; its leaves serrated; stems and foliage alike a brilliant green. Its abundant double flowers like half opened rose buds, rich yellow. 1½ to 2 feet—80 cts. each; \$7.50 per 10.

LESPEDEZA (Desmodium)

Half-shrubs, the long canes of each season's growth usually winter-killed. The stools become stronger, throwing up more shoots and forming a thick shrub 3 to 5 feet high, in showy late summer bloom.

Sieboldi (Desmodium Penduliflorum). Arched branches and long, close, drooping racemes of purple-magenta flowers. 2 year plants, 60 cts. each; \$5.00 per 10.

Japonica (White Desmodium). Taller and more upright, with brighter foliage than Sieboldi; the pure white flowers two weeks later. 3 year, 75 cts. each; \$6.50 per 10.

LILACS (Syringa)

Common Purple. Most suitable for tall hedges.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Common White. Taller and more slender than the purple flowered. 2 to 3 feet—\$1.00 each; \$9.00 per 10.

Persian White. Dwarf growing with slender branches and narrow leaves; a choice foundation subject. 2 to 3 feet—85 cts. each; \$8.00 per 10.

Rothomagensis (Rouen Lilac). Grows 10 to 12 feet high; immense reddish-purple panicles in May. 2 to 3 feet—75 cts. each; \$6.50 per 10.

Villosa. Dwarf growth, broad leaved; pinkish lilac flowers in long loose panicles. 2 to 3 feet—75 cts. each; \$6.50 per 10.

Japonica (Japan Tree Lilac). Grows to 30 feet, and makes a beautiful lawn specimen. Flowers appear in great profusion during June or July, creamy white in slender plumes 15 to 20 inches long. 3 to 4 feet—80 cts. each; \$7.00 per 10.

French Named Lilacs. Perfected flower types in size, form, freedom and color. These hybrids give a vast amount of fragrant spring bloom, in varied shades. The growth is comparatively short and stocky, easily trained into round-headed small tree formation.

—**Belle de Nancy**—Great panicles of satiny rose, with a center almost white.

—**Gloire de Lorraine.** Single. Splendid large trusses; crimson pink in the bud, opening out to clear mauve. Dwarf growing.

—**Mad. Abel Chatenay.** Very large, close-set panicles of purest white.

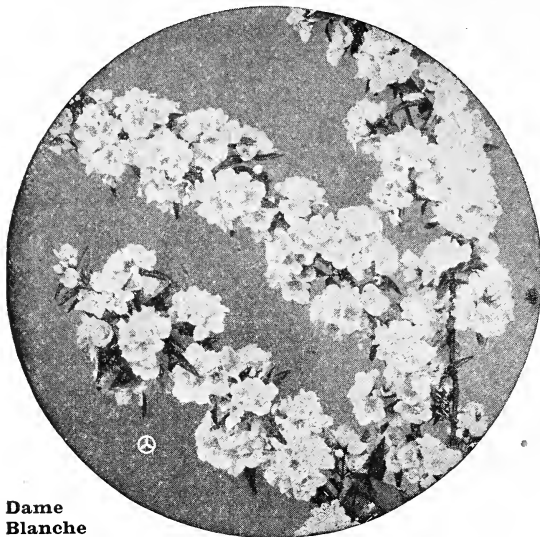
—**Michael Buchner.** Dwarf and stocky. Delicately beautiful trusses of pale lilac color.

—**Monument Carnot.** Semi-double, opening wide. Large florets and panicles of pale lilac.

—**Negro.** Single. Loosely built, long panicles with deep tube and wide bells; deep reddish violet.

—**Obelisque.** Full, compact clusters; the globular buds opening prettily; pure white.

—**Sour. de Ludwig Spaeth.** Single. Darkest of the blues—a deep purplish shade—in long panicles 2 to 3 feet—\$1.00 each; \$9.00 per 10.



Dame
Blanche

PHILADELPHUS (Mock Orange)

One of the best shrubs, the taller growing sorts largely used for hedges. The flowers are very profuse, similar to strawberry blossoms but larger, white with a rich creamy tinge imparted by the golden stamens.

NEW VARIETIES

Albatre. Has very showy, dense panicles of white, double flowers. Plant is bushy, of medium height—developing to 4 to 5 feet in course of time. 15 to 18 inches—70 cts. each; \$6.00 per 10. 18 to 24 inches—80 cts. each; \$7.00 per 10.

Banniere. A tall shrub with long branches covered with a profusion of large semi-double snow-white flowers. Extra fine and very early; the foliage large, dark green. 1½ to 2 feet—80 cts. each; \$7.00 per 10. 2 to 3 feet—90 “ “ 8.00 “

Coupe d'Argent. Immense, perfect flowers, pure white, very sweet scented. Long branches, both erect and decumbent. 15 to 18 in.—75 cts. each; \$6.50 per 10. 18 to 24 in.—85 “ “ 7.50 “

Dame Blanche. Semi-double flowers of creamy white, produced in greatest profusion. Grows not much over 4 feet; and is in all respects a satisfactory shrub for either specimen use or in medium grouping. 12 to 15 inch—60 cts. each; \$5.00 per 10. 18 to 24 inch—70 cts. each; \$6.00 per 10.

Favorite. Large single flowers—3 inches wide, —pure white with a bunch of golden stamens; erect growth and glossy foliage. 15 to 18 in.—70 cts. each; \$6.00 per 10. 18 to 24 in.—80 “ “ 7.00 “

Glacier. This variety is one of the very best and most valuable of the many new kinds. The flowers are a wonderfully attractive type; double, rich cream color, produced in thick clusters of six or seven, giving the effect of one enormous double flower. Matures to a height of five feet. 15 to 18 inch—75 cts. each; \$6.50 per 10. 18 to 24 inch—85 “ “ 7.50 “

Norma. Matures to 8 feet or more; strong growing. The flowers are of great individual size, single, assembled in good sized sprays; glossy white. 15 to 18 inches—75 cts. each; \$6.50 per 10. 18 to 24 inches—85 cts. each; \$7.50 per 10.

Ophelia. Long, gracefully arched branches, laden with a profusion of fragrant single or semi-double white flowers. 15 to 18 inch—75 cts. each; \$6.50 per 10. 18 to 24 inch—85 cts. each; \$7.50 per 10.

Pavillon Blanc. Erect branches of medium length; large white, sweet scented flowers. 1½ to 2 feet—85 cts. each; \$7.50 per 10. 2 to 3 feet—95 cts. each; \$8.50 per 10.

Pyramidalis. A tall variety, erectly compact, with dark green large leaves. The flowers are waxy white, double, in closely bunched clusters. 1½ to 2 feet—80 cts.; \$7.00 per 10. 2 to 3 feet—90 cts.; \$8.00 per 10.

Romeo. The flowers are pretty and distinct, being a creamy white with a small purple blotch. Of medium growth, maturing to five to seven feet. 15 to 18 inch—75 cts. each; \$6.50 per 10. 18 to 24 inch—85 cts. each; \$7.50 per 10.

Virginalis. A magnificent new variety. (See back cover.) Moderately tall, with good foliage and compact habit. The flowers are the largest, handsomest, and most sweetly fragrant of any known variety, with longest blooming season. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—\$1.00 each; \$9.00 per 10. 3 to 4 feet—\$1.50 each; \$14.00 per 10.

Wilsoni. Has a general resemblance to Avalanche; growth distinctly upright, the branches slender, and leaves small. Plentiful pure white, fragrant flowers, medium to small size. 18 to 24 inch—80 cts. each; \$7.00 per 10.

GENERAL COLLECTION

Avalanche. Introduced a few years ago, but not yet well known. Growth upright with many shoots from the base; only 4 feet tall at maturity. The flowers are numerous and very fragrant, creamy white. 18 to 24 inches—50 cts. each; \$4.00 per 10. 2 to 3 feet—75 cts. each; \$6.50 per 10.

Aureus (Golden Syringa). Valuable for contrastive grouping, and the best golden leaved shrub. Mail size, 25 cts. 15 to 18 inches—75 cts. each; \$6.50 per 10. 18 to 24 inches—85 cts. each; \$7.50 per 10.

Coronarius (Garland Syringa). A fine old form, 8 to 10 feet tall, that blooms in May with large white, delightfully scented sprays.

Grandiflorus. Tall. Very large flowers in June.

Gordonianus. Tall. Best late bloomer. July.

Above three sorts: Mail size, 20 cts. each.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 “ “ 6.00 per 10.

Bouquet Blanc. Close set bunches of double flowers. 1½ to 2 feet—50 cts. each; \$4.00 per 10.

2 to 3 feet—75 “ “ 6.50 per 10.

Flore-pleno. Beautiful semi-double white flowers. 1½ to 2 feet—50 cts. each; \$4.00 per 10.

2 to 3 feet—60 “ “ 5.00 “

Lemoinei Erectus. Erect growing with fine foliage, flowers in June. 1½ to 2 feet—70 cts. each; \$6.00 per 10. 2 to 3 feet—80 cts. each; \$7.00 per 10. Mail size, 25 cts. each.

Manteau d'Hermine. Very dwarf, slender stemmed and small leaved; of upright, dense growth suitable for the foreground of larger shrub types and as a border plant. The pretty white flowers are small, but numerous. Mail size, 35 cts. 15 to 18 in.—60 cts. each; \$5.00 per 10. 18 to 24 in.—70 “ “ 6.50 per 10.

Mont Blanc. Fragrant and free; medium size flowers, on slender upright branches; tall. Mail size, 35 cts. each. 1½ to 2 feet—75 cts. each; \$6.50 per 10.

Nivalis Inodorous. Flowers snow-white, with creamy stamens. 2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

THE PRIVETS—*Ligustrum*

Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn, and make richly green foliage backgrounds against foundation walls. They are almost evergreen, of dense compact habit; useful in shaded places. To plant a single row, set them about 12 inches apart; for a double row, about 18 inches apart each way and alternately.

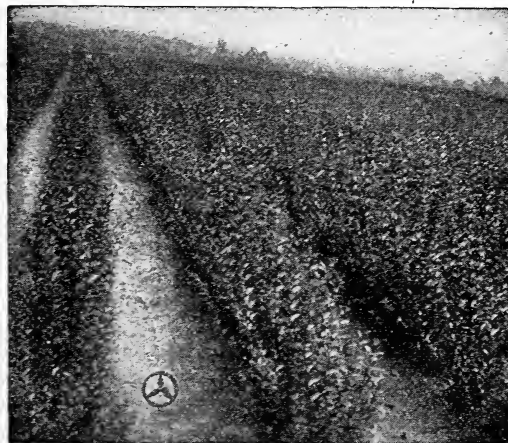
Price of Privet	Each	10	100	1000
Amurenses —18 to 24 in....	\$0.20	\$1.60	\$12.00	.....
" 2 to 3 ft. ....	.25	2.00	16.00	.....
California —15 to 18 in. ....	.15	1.00	6.00	\$50.00
" 18 to 24 in. ....	.20	1.20	8.00	65.00
" 2 to 3 ft. ....	.20	1.50	10.00	.....
" 1 yr., 12 to 18 in. ....	.10	.60	4.00	30.00
English (<i>L. Vulgaris</i>)—				
18 to 24 inches. ....	.20	1.20	8.00	.....
24 to 30 inches. ....	.25	2.00	16.00	.....
Ibodium —18 to 24 in. ....	.20	1.60	12.00	.....
" 24 to 30 in. ....	.25	2.00	16.00	.....
Ibota —18 to 24 in. ....	.20	1.60	12.00	.....
" 2 to 3 feet. ....	.25	2.00	16.00	.....
Lodense —2 yr., 6 to 8 in. ....	.25	2.00	16.00	.....
Regel's —15 to 18 in. ....	.30	2.50	20.00	.....
" 18 to 24 in. ....	.40	3.50	30.00	.....
Variegated —12 to 15 in. ....	.40	3.50	30.00	.....
" 15 to 18 in. ....	.45	4.00	35.00	.....
" 18 to 24 in. ....	.60	5.50	50.00	.....

Amoor River (*L. Amurenses*). A very hardy northern grown type, vigorously upright and tall growing. The leaves are dark green, somewhat lustrous, tardily deciduous. Makes a strong, bold hedge with quite conspicuous bloom in erect white panicles.

California (*L. Ovalifolium*). Quick growing, straight, densely clothed shoots; the foliage in precise arrangement, a dark shiny green. The handsomest and most generally used of the entire group for hedging, clipped specimens, or for massing; but unfortunately not reliably hardy in the northern section.

English (*L. Vulgaris*). An old time garden type of informal habit. Gray-green bark and foliage, with white flowers and shining black berries.

Japanese (*L. Ibota*). Makes up into striking tall clumps, or informal screening hedges, with wide-spread curving branches; very vigorous and hardy. The foliage is grayish green; showy, fragrant white flower plumes in June, followed by persisting blue-black berries.



California Privet in our Nursery Rows



Ibodium. A recently introduced hybrid of Ibota and Ovalifolium, expressing the best qualities of each. It is remarkably sturdy and cold-resistant, having attained several feet of uninjured, densely bushy growth upon the storm lashed banks of a light-house island in northern Lake Michigan. Its foliage is lustrous and quite similar to the favorite California variety; with erectly branching habit and quick, substantial development. These qualities should revolutionize the selection and use of Privets in the colder sections of the world.

Lodense. Another outstanding new development in Privets, which converts the beautiful foliage and twig formation of Ovalifolium, onto a slow-growing densely compact dwarf bush which can be used without shearing, for very low hedges and borders. It can be planted close and kept clipped down like Boxwood (which it resembles), but is even more attractive and useful spaced for individual rounded clumps. Altho widely distributed for testing, supply is still comparatively limited.

Regel's (*L. Regelianum*). A strong, very hardy type, with dark and shiny leaves. The numerous branches are stiff, twiggy and horizontally spreading, gracefully drooping at the ends. Makes a naturally wide, dense bush particularly adaptable to foundation plantings.

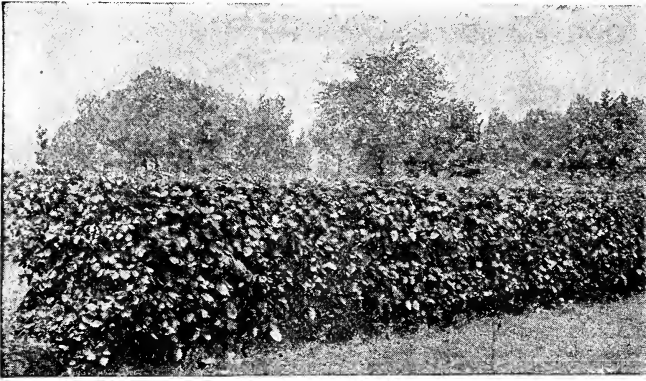
Variegated. Similar in type of leaf and growth to the California, but of less ruggedness and quick habit. Instead of the conventional smooth green, this novel variety is creamy white over two-thirds of the leaf. May be used to advantage either in hedge rows or as a bright variegation in groups with other shrubs.

POTENTILLA FRUTICOSA. (Shrubby Cinquefoil.) A bright flowered little shrub that thrives in moist places where many others refuse to grow. Of upright growth; with narrow, compound, silky foliage, and bright yellow flowers from mid-summer until frost. 18 to 24 inch—60 cts. each; \$5.00 per 10.

PRUNUS Pissardi (Purple-leaved Plum). A distinct and handsome little tree, covered with a mass of small, white, single flowers in spring; later, with showy pinkish purple leaves that deepen in color to the end of the season.

3 to 4 feet—75 cts. each; \$6.50 per 10.

Triloba (Double Flowered Plum). A charming shrub of vigorous growth. Very early in spring, before its leaves appear, the whole tree is decked in a fleecy cloud of very double light pink blossoms. Its effect on a still leafless landscape is very bright. 2 to 3 feet—\$1.00 each; \$9.00 per 10. 3 to 4 feet—\$1.25 each; \$11.50 per 10.



Buckthorn Hedge



Snowberries

RHAMNUS Catharticus (Buckthorn). A dense twiggy bush, 6 to 10 feet high, with dark foliage relieved by masses of attractive white flowers in June and July. Makes a good, prunable hedge.

2 to 3 feet—40 cts.; \$3.50 per 10; \$25.00 per 100.

3 to 4 feet—50 cts.; \$4.00 per 10; \$35.00 per 100.

Frangula. A large shrub with numerous leafy branches. Leaves dark green, paler beneath, fading with tones of yellow, orange and red. Berries change from red to black in September.

2 to 3 ft.—50 cts.; \$4.00 per 10; \$35.00 per 100.

3 to 4 ft.—60 " 5.00 " 45.00 "

RHODOTYPUS KERRIOIDES (White Kerria). An attractive shrub 3 to 6 feet high, with beautiful yellowish green, corrugated foliage and large, single white flowers late in May. The black seeds which follow are large and showy.

2 to 3 feet—75 cts. each; \$6.50 per 10.

RHUS (Sumac). Picturesque, gnarly, wind-bent rows of Sumac blazing redly in autumn, are familiar landmarks in every country side.

—**Copallina** (Shining Sumac). Tall growing; foliage glossy. Blooms late, with terminal flowers of greenish white in dense panicles. Fruit large, deep crimson. Foliage colors beautiful in fall. 2 to 3 feet—65 cts.; \$6.00 per 10. 3 to 4 ft.—75 cts.; \$7.00 per 10.

—**Glabra** (Smooth Sumac). Grows to a small tree with beautiful leaves which color brightly in Autumn; flowers in July followed by crimson or brown fruits. 2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

—**Glabra Laciniata**. A beautiful cut-leaved, bushier form of above. 18 to 24 inches—70 cts. each; \$6.00 per 10.

—**Typhina** (Stag Horn Sumac). Picturesque and rugged in all stages of development to its small-tree maturity of about 30 feet. Its flowers are borne during June and July in dense terminal panicles, followed by impressive red fruits. 2 to 3 feet—60 cts. \$5.00 per 10. 3 to 4 feet—75 cts.; \$6.50 per 10.

—**Laciniata**. Similar to foregoing, except its leaves are deeply cleft, which, if bush is pruned to induced considerable bottom growth, mingles the various angled fronds in a delightful "ferny" effect.

2 to 3 feet—65 cts. each; \$5.50 per 10.

3 to 4 feet—75 " " 6.50 "

SYMPHORICARPUS. 3 to 5 feet. Highly valued for use in densely shaded situations, and for the striking beauty of their bright persistent fruits.

—**Snowberry** (*S. Racemosus*). Inconspicuous, rose colored flowers in June and July; followed by large clustered, milk white fruits which remain far into winter. The combination of pink flowers and white berries on the same twig is charming. Foliage is rounded, clean and fresh looking, a glaucous green.

2 to 3 feet—70 cts.; \$6.00 per 10.

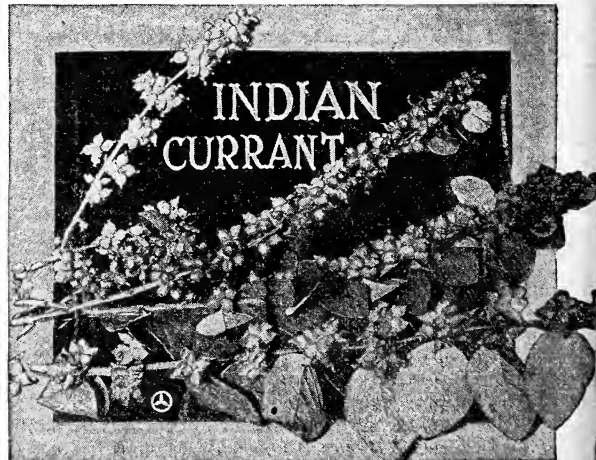
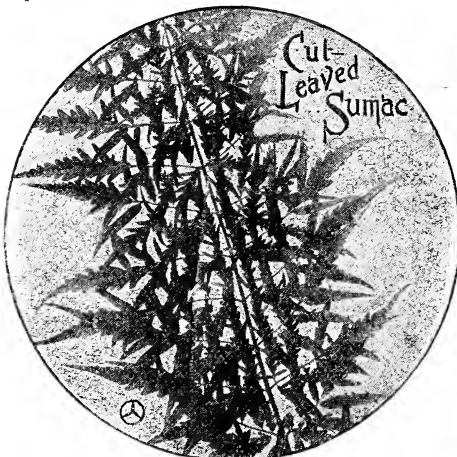
3 to 4 feet—80 " 7.00 "

Mail size, 20 cts. each.

—**Indian Currant** (*S. Vulgaris*). Similar to the Snowberry except that its fruits are dull red, and that the smaller berries cluster in thick ropes along the weighed-down stems. The foliage is small, close-set and dark, which with the uniform spread of its branches, compares favorably with the Privets in mass effect. Mail size, 20 cts. each.

2 to 3 feet—60 cts.; \$5.00 per 10.

3 to 4 feet—75 " 6.00 "





Spirea Anthony Waterer

SPIREA

All the Spireas bloom with a riotous extravagance; style, color and habits of growth differing so markedly that a collection of varieties will ensure bloom the entire season and still evade repetition.

DWARF FORMS—2 to 3 feet

Anthony Waterer. Dwarf, bushy, of spreading type, with large corymbs brilliantly colored rosy crimson. Very free flowering, at its best in late summer. This is one of the few good showy red flowered shrubs sufficiently dwarf to be used in foundation plantings or the low front row of shrub groups.

15 to 18 in.—60 cts. each; \$5.00 per 10. } Mail size,
18 to 24 in.—75 " " 6.50 " } 25 cts. each

Bumalda. A spreading, low bush with dark leaves brightened by corymbs of pretty light pink flowers in May, and at intervals all summer.

15 to 18 in.—60 cts. each; \$5.00 per 10.

Callosa Alba. Large flat clusters of white flowers nearly all summer, foliage and growth like above.

15 to 18 in.—60 cts. each; \$5.00 per 10.

Froebeli. Dwarf, and similar to A. Waterer, but a trifle taller, with broader leaves. Bright crimson flowers in dense corymbs during July and August.

1½ to 2 feet—70 cts. each; \$6.00 per 10.
2 to 3 feet—80 " " 7.50 "

Wallufi. Blooms in the same broad, graceful panicles, and has the same habit of growth as Anthony Waterer, but retains its depth of color longer, remaining red until flower is old and turns brown.

12 to 15 in.—50 cts. each; \$4.00 per 10.
15 to 18 in.—60 " " 5.00 "

TALLER SORTS—3 to 10 feet

Arguta Multiflora (Snow Garland). A slender, upright shrub, 3 to 5 feet high, with branches a snowy mass of clear white flowers in early May.

1½ to 2 feet—65 cts. each; \$5.50 per 10.
2 to 3 feet—75 " " 6.50 "

Atrosanguinea. Of medium growth and small, bluish green foliage, blooming freely in pronouncedly hairy corymbs; deep pink. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Douglasi. Upright in growth to 7 feet, with reddish brown branches and narrow, oblong leaves. Bears spikes of beautiful deep rose-colored flowers in July.

2 to 3 feet—50 cts. each; \$4.00 per 10.

Margaritae. A handsome, very free flowering type of medium height up to five feet; in bloom during July and August, with rather large, bright pink flowers in broad corymbs; and elliptic, serrated leaves at times tinged with purple. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Nobleana. A hybrid of Douglasi, attaining about 4 feet; mid-summer flowers light pink, in dense pyramidal panicles 3 to 6 inches high. 2 to 3 feet—50 cts.; \$4.00 per 10. 3 to 4 feet—65 cts.; \$5.50 per 10.

Opulifolia. Growth upright, attaining 8 to 10 feet, although the heavy white flower umbels in June make the branches droop; old flower heads turn to dark red, making a striking variety of colors.

2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 " " 5.00 "

Opulifolia Aurea (Golden Spirea). Of similar habit to above, with young foliage of bright yellow changing to golden bronze in the fall.

2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—70 " " 6.00 "

Prunifolia fl. pl. (Bridal Wreath). Plum leaved foliage turning in autumn to very brilliant red. Earliest; with small double white clustered flowers.

2 to 3 feet—75 cts. each; \$6.50 per 10.
3 to 4 feet—85 " " 7.50 "

Reevesiana fl. pl. Slender, drooping branches in a charming round bush seldom above four feet. Compact umbels of very double creamy white flowers appear in May and June.

2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 " " 5.00 "

Regelianum. About 4 feet growth; foliage irregular, bark striped; blooms July-Aug., in broad pink corymbs. 2 to 3 feet—65 cts. each. 3 to 4 feet—80 cts. each.

Salicifolia (Willow Leaved Spirea). Grows to 5 feet. The willow-like foliage is quite shiny and attractive. Crowded panicles of pink flowers in mid-summer.

2 to 3 feet—60 cts. each; \$5.00 per 10.

Thunbergi. Forms a dense, fluffy bush, 3 to 5 feet high; the feathery foliage, which is a peculiar but pleasing shade of yellowish green, changing in autumn to bright red and orange.

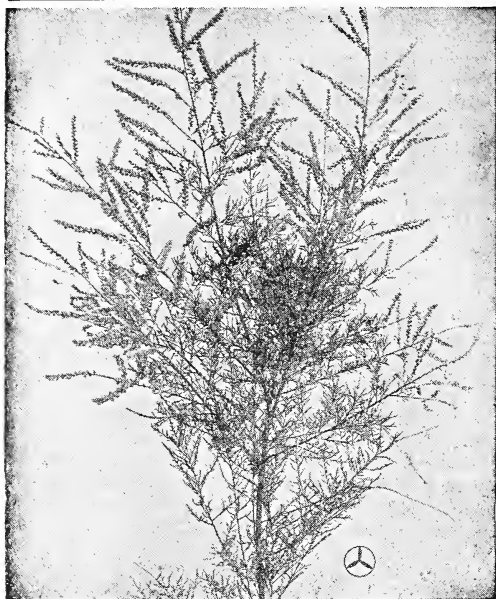
18 to 24 in.—70 cts. each; \$6.00 per 10.

Tomentosa (Hardhack). A valuable late blooming sort (July-Sept.) averaging about four feet in height; flowers of deep rose, or even purple, in dense, slender, feathery panicles. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Van Houtte. Grandest of Spireas, one of the best of shrubs; complete fountain of pure white bloom in May and June. The foliage and bush shape is ornamental the year round. Mail size, 20 cts. each. 18 to 24 in. (2 year)—30 cts. each; \$2.00 per 10. 2 to 3 feet—50 cts.; \$4.00 per 10; \$30.00 per 100. 3 to 4 feet—60 cts.; \$5.00 per 10; \$40.00 per 100. 4 to 5 feet—75 cts.; \$6.50 per 10; \$60.00 per 100.



Spirea Van Houtte



Flower Spray of Tamarix Odessana

TAMARIX

TAMARIX. Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the Juniper; small, usually pink flowers from April on. Splendid for seaside planting, or equally good in dry sand.

Gallica. Slender, spreading branches, the leaves dull bluish green. Buds are globose, the flowers flesh white in delicately paniced racemes. May-July.

Indica. A form of above, with more upright branches; dull green leaves; and longer racemes of pink flowers.

Purpurea. First to bloom, in short dense racemes of nearly white flowers on last year's wood; the bark and stems almost black.

2 to 3 feet—50 cts.; \$4.00 per 10. } Mail size,
3 to 4 feet—60 " " 5.00 " } 20 cts. each.

Odessana (Caspian Tamarix). 4 to 6 feet. Exquisitely feathered foliage of silvery green, blooming in July and August with large loose panicles of lavender-pink flowers. Dwarfier growing, more bushy and spreading than the others. 2 to 3 feet—50 cts.: \$4.00 per 10. 3 to 4 feet—60 cts.; \$5.00 per 10.

VIBURNUM

Dentatum (Arrow-wood). 8 to 12 feet. Bright green, heart-shaped leaves turning to purple and red. May and June flowers of creamy white.

2 to 3 feet—60 cts. each; \$5.00 per 10.



"High Bush Cranberries"

Lantana (Wayfaring Tree). 10 to 15 feet. Beautiful wrinkled, Lantana-like leaves; white flowers in May and June. Fruits color unequally from crimson to black. 2 to 3 feet—70 cts. each; \$6.00 per 10.

Lentago (Sheepberry). Grows to be a small tree 30 feet high. Flowers white in pretty cymes during May and June; fruit large oval, blue-black. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Opulus (High Bush Cranberry). 8 to 10 feet. Handsome, dense, brilliant green foliage; a rich setting for large bunches of crimson berries which persist on winter bare branches. Mail size, 20 cts. 1½ to 2 feet—70 cts. each; \$6.00 per 10.

2 to 3 feet—85 " " 7.50 "

Opulus Nanum. A very dwarf, compact, rounded shrub, with darkly lustrous, irregular leaves, and reddish twigs. It bears no flowers, but is very valuable for low edging in lieu of the less hardy Boxwood. 5 to 6 inch plants—50 cts. each; \$4.00 per 10.

Plicatum (Japan Snowball). Erect, compact, growing 6 to 8 feet. Purple tinted foliage of beautiful pattern, spangled with perfect ovoid corymbs of purest white, in June.

1½ to 2 feet—85 cts. each; \$7.50 per 10.

WEIGELAS—Diervilla



Coarse, thrifty shrubs for medium and back rows up to 8 feet, their delightful blooming period ranging from May into July. The flowers are stemless bells strung along the arching canes in clustered profusion.

Candida. 4 to 6 feet; a choice variety blooming in profusion during June and to some extent all summer. Pure white. 2 to 3 ft.—65 cts. each; \$5.50 per 10.

Desboisi. One of the darkest and best of the rose colored sorts. 2 to 3 feet—55 cts. each; \$4.50 per 10. 3 to 4 feet—65 cts. each; \$5.50 per 10.

Eva Rathke. The most distinct and one of the most attractive varieties; flowers deep carmine red.

1½ to 2 feet—85 cts. each; \$7.50 per 10.

2 to 3 feet—\$1.00 each; \$9.00 per 10.

Hendersoni. One of the strongest growing varieties with large flowers of deep rose.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Rosea. Most popular of all; tall growing, vigorous, with deep pink flowers in the greatest profusion during June, and more sparsely at intervals thereafter. 2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Rosea Nana Variegata. Leaves broadly margined creamy white; flowers pink. Dwarf; one of the most useful and choice variegated leaved shrubs.

1½ to 2 feet—60 cts. each; \$5.00 per 10.

Van Houtte. Flowers broad and flat, deep rosy red with orange markings in the throat.

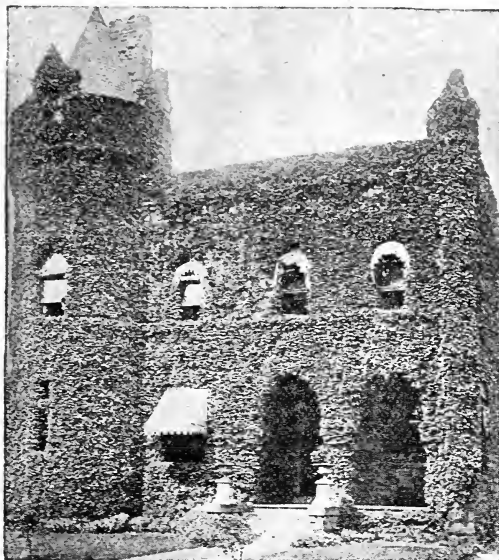
2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

HARDY ORNAMENTAL CLIMBING VINES

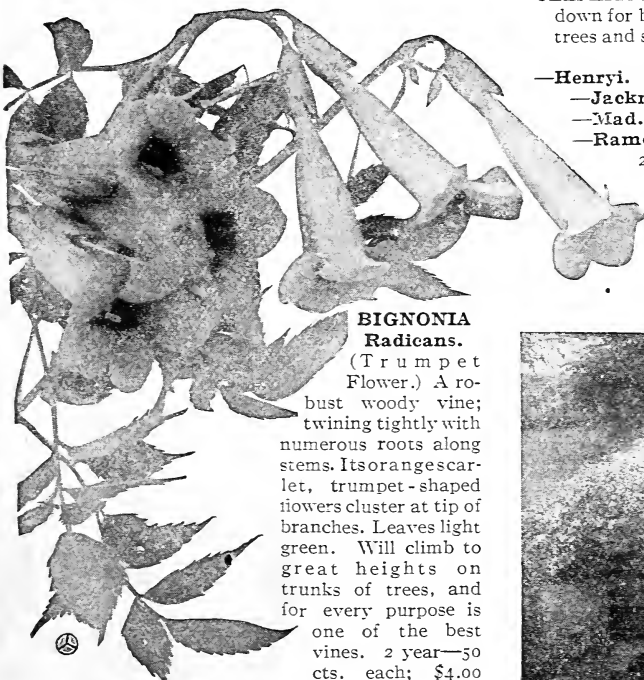
Page
131

Except noted, all vines offered are 2 year olds.
Except noted, the each rate is alike for Mail or Express; 10 or 100 rate by Express.



Boston Ivy

AKEBIA Quinata. A perfectly hardy, fast growing Japan vine, with magnificent foliage never attacked by insects; producing chocolate purple flowers in large clusters, possessing a most delicious perfume; unsurpassed for covering trellises and verandas. 2 year—60 cts. each; \$5.00 per 10.



BIGNONIA Radicans.

(Trumpet Flower.) A robust woody vine; twining tightly with numerous roots along stems. Its orangescarlet, trumpet-shaped flowers cluster at tip of branches. Leaves light green. Will climb to great heights on trunks of trees, and for every purpose is one of the best vines. 2 year—50 cts. each; \$4.00 per 10.

"Trumpet Flower"

AMPELOPSIS Veitchi. (Boston Ivy.) This is one of the finest hardy climbers we have for covering walls, as it clings firmly to the smoothest surface, covering closely with overlapping foliage, giving appearance of shingles. The color is a fresh deep green in summer, changing to the brightest shades of crimson and yellow in autumn. 2 years—50 cts. each; \$4.50 per 10. 1 year—10 to 12 in. tops, 20 cts. each; \$1.50 per 10.

—**Quinquefolia.** (American Ivy, Virginia Creeper, etc.) Deeply cut leaves which turn to a beautiful crimson in fall; fine for covering trees, rocky slopes, walls, etc. 2 year—50 cts. each; \$4.00 per 10.

—**Englemanni.** Similar to above, but with smaller denser foliage. 2 year—50 cts. each; \$4.00 per 10.

ARISTOLOCHIA

Sipho. (Dutchman's Pipe.) Although the brownish, pipe-shaped flowers are interesting, the immense heart-shaped leaves are the important feature, furnishing as they do the most complete screening leafage of any cultivated trellis vine. Of thrifty growth, uniform, shingle-like arrangement and dependable hardiness, they serve conspicuously for shade or ornament, in either sun or shade. \$1.00 each; \$9 per 10.



CLEMATIS. Grand for pillars and trellises, pegged down for bedding and for running over rockwork, old trees and stumps. They delight in rich soil, and sun

Large Flowered Varieties

—**Henryi.** Creamy white.

—**Jackmani.** Velvety, violet-purple.

—**Mad. Ed. Andre.** A distinct crimson red.

—**Ramona.** Deep sky blue.

2 year—\$1.00 each; \$9.00 per 10.

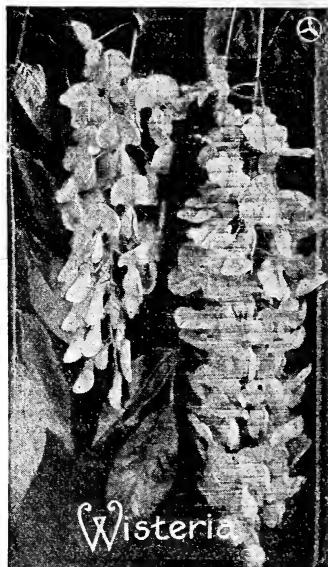
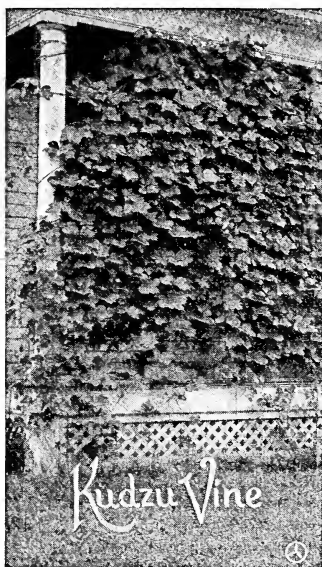
Small Flowered Varieties.

—**Paniculata.** (Sweet-scented Japan Clematis.) The flowers are of medium size, fragrant, pure white, borne in immense sheets in September.

2 year—40 cts. each; \$3.50 per 10.

1 year—Mail size, 20 cts. each; \$1.00 per 6





CELASTRUS Scandens. (Bittersweet.) Handsome glossy foliage and large clusters of beautiful, orange crimson fruits retained all winter. Its graceful sprays of berries make charming winter house decorations. 2 year—50 cts. each; \$4.00 per 10. 1 year—Mail size, 20 cts. each.

EVONYMUS Radicans. One of the finest evergreen vines, with small, rich green foliage, and pink fruits. For covering rocky banks, rough walls, tree-trunks, etc., also for vases, baskets and borders of beds. Mail size, 20 cts. 15 to 18 inch (bushy) 50 cts. each. \$4.00 per 10. 18 to 24 in.—60 cts. each; \$5.00 per 10.

—**Variegata.** Foliage edged with creamy white, which takes on a pinkish tinge in winter. 2 year, 10 to 12 in.—50 cts.; \$4.00 per 10. Mail size, 20 cts.

KUDZU VINE. Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August; rosy-purple, pea-shaped—in small racemes. A truly remarkable, handsome and serviceable porch vine wherever it is hardy enough to withstand the cold winters. Not reliably safe north of the Ohio river. 1 year—35 cts. each; \$3.00 per 10.

LONICERA. (Honeysuckle.) Their vining qualities are excellent, but the delightful fragrance of their flowers makes their strongest bid for favor.

—**Aurea Reticulata.** (Golden-Leaved Honeysuckle.) Flowers yellow and fragrant. 50 cts.; \$4.00 per 10.

—**Halleana.** (Hall's Japan Honeysuckle.) Color, an intermingling of white and yellow; extremely fragrant and most satisfactory. Gets along fairly well in partial shade; and is used extensively as a ground cover. 50 cts. each; \$4.00 per 10. Mail size, 20 cts.

—**Henryii.** A recent introduction from China, where it has been found at an altitude of 6,000 feet; with almost evergreen foliage and distinct flowers of a peculiar bronzy-red color, produced in graceful panicles in early summer. 75 cts. each; \$6.50 per 10.

—**Sempervirens.** (Scarlet Trumpet Hskl.) Trumpet-shaped flowers of bright scarlet. 60 cts.; \$5.00 per 10.

LYCIUM CHINENSE. (Chinese Matrimony Vine.) A general utility hardy climbing vine that will overcome any obstacle to growth and flourish everywhere. Every new shoot produces handsome purple flowers and later a prodigious crop of scarlet berries nearly an inch long. Is a practical carpet vine and highly efficient as a bank retainer on reasonable slopes; each joint that presses into the soil taking

firm hold and establishing a colony of deep and spreading roots. 40 cts. each; \$3.50 per 10. Mail size, 20 cts. each.

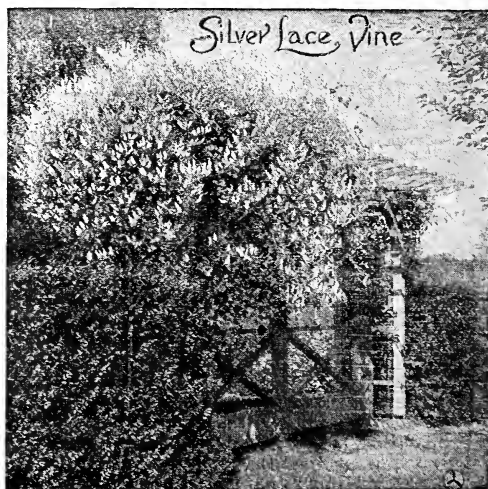
POLYGONUM AUBERTI. (Silver Lace Vine.) This is the latest addition to our list of practical hardy vines, a quick-growing type of twining habit averaging 25 feet in a season. The small, cordate foliage is fresh and shiny, although the base of stalk becomes somewhat woody. Produces more bloom than any other hardy vine, covering a season extending from late summer into the fall with an extravagance of large, foamy sprays in silvery white. 2 year plants—75 cts. each; \$7.00 per 10.

WISTERIA. One of the handsomest subjects for use on pergolas, porches and trellises; with attractive foliage and magnificent dense drooping clusters of pea-shaped flowers, crowning the top.

—**Sinensis.** Blue. Panicles about 12 inches long. 2 year, 75 cts.; \$6.50 per 10. 1 year, Mail size, 40 cts.

—**Alba.** White. 2 year, 75 cts.; \$6.50 per 10. 1 year, Mail size, 40 cts.

—**Magnifica.** Lavender-purple. 2 year, 60 cts.; \$5.00 per 10. 1 year, Mail size, 25 cts.



The succeeding lists of shrubs and vines is in no sense complete under the various headings, but denote the types and varieties most generally known and used for certain special requirements of the average small lot.

SHRUBS FOR FOUNDATION PLANTING

I. Sunny Exposure.

Distance apart
to set the plants

A HIGH-GROWING:

Cornus Elegantissima Variegata.....	4	-5	ft.
Deutzias—Crenata, Watereri, etc.....	4	-5	ft.
Exochorda Grandiflora.....	4	-5	ft.
Bush Honeysuckles—in variety.....	4	-5	ft.
Common Lilacs.....	4	-5	ft.
Philadelphus—in variety.....	4	-5	ft.
Ibota Privet.....	3	-4	ft.
Viburnums—Dentatum, Opulus, etc.....	4	-5	ft.
Weigelas—in variety.....	4	-5	ft.

B MEDIUM HEIGHT:

Abelia Grandiflora.....	3	-4	ft.
Hydrangeas—A. G., and P. G.....	3	-4	ft.
Honeysuckle Morrowi.....	4	-5	ft.
Philadelphus Aureus.....	3	-4	ft.
Privet—Amoor, and Regel's.....	3	-4	ft.
Rhodotyus Kerrioides.....	3½	-4½	ft.
Spiraea—Prunifolia, Van Houtte, etc.....	3	-4	ft.
Symphoricarpos—Indian Currant, Snowberry.....	3	-4	ft.
Tamarix—Odessana.....	3	-4	ft.
Weigelas—Rosea, and Variegated-lf.....	3	-4	ft.

C LOW-GROWING:

Barberry.....	2	-3	ft.
Callicarpa Purpurea.....	2½	-3½	ft.
Deutzias—Gracilis, and Lemoinei.....	2	-3	ft.
Kerria Japonica fl. pl.....	2½	-3½	ft.

Planting interval

Philadelphus—Manteau d'Hermine.....	2	-3	ft.
Baby Rambler Roses—in variety.....	2	-2½	ft.
Spiraea—A. Watereri, Callosa Alba, Froebeli, etc.....	2	-3	ft.

II. Shady Exposure.

A HIGH-GROWING:

Ibota Privet.....	3	-4	ft.
Viburnums—Dentatum, Opulus, etc.....	4	-5	ft.
Honeysuckle—Morrowi.....	4	-5	ft.

B MEDIUM HEIGHT:

Cornus—Paniculata.....	3	-3½	ft.
Hydrangea—Arborescens Grandiflora.....	2½	-3½	ft.
Privets—Amoor, and Regel's.....	2	-3	ft.
Rosa Rugosa and Hybrids.....	2½	-3	ft.
Rhodotyus Kerrioides.....	3½	-4½	ft.
Symphoricarpos—Indian Currant, Snowberry.....	3	-4	ft.

C LOW-GROWING:

Barberry Thunbergi.....	2	-3	ft.
Box-Barberry.....	1½	-2½	ft.
Callicarpa Purpurea.....	2½	-3½	ft.
Deutzia Gracilis.....	1	-2	ft.
Hypericum Henryi.....	1½	-2	ft.
Lodense Privet.....	1½	-2½	ft.
Rhus Aromatica.....	3	-3½	ft.
Viburnum Opulus Napum.....	2	-2½	ft.

SHRUBS FOR BACK-YARD or BORDER PLANTING

Sunny Exposure.

Distance apart
to set the plants

A HIGH-GROWING:

All shrubs in Group I-A.....	3½	-4½	ft.
Altheas—in variety.....	3	-4	ft.
Buckthorns.....	3	-4	ft.
Cornus—in variety.....	3½	-4½	ft.
Evonymus Europaeus.....	4	-5	ft.
Forsythias—in variety.....	4	-5	ft.
Hazel-nut.....	4	-5	ft.
Lilacs—in variety.....	4	-5	ft.
Prunus Pissardi.....	5	-6	ft.
Spiraea—Opulifolia, and Op. Aurea.....	3	-4	ft.
Sumacs—in variety.....	4	-5	ft.
Witch Hazel.....	4	-5	ft.

B MEDIUM HEIGHT:

All shrubs in I-B.....	3½	-4	ft.
Aralia Pentaphylla.....	3	-4	ft.
Buddleia Magnifica.....	3	-4	ft.
Desmodiums.....	2½	-3	ft.
Deutzias—Lemoinei, Magnificata, etc.....	2½	-3	ft.
Rosa Hugonis.....	3	-5	ft.

Planting interval

All plants in I-C.....	2½	-3½	ft.
Aronia—Arbutifolia, and Melanocarpa.....	2½	-3½	ft.
Clethra Alnifolia.....	2½	-3½	ft.
Forsythia Suspensa.....	2½	-3½	ft.
All the dwarf Spiraea.....	2½	-3½	ft.

Shady Exposure.

A HIGH-GROWING:

All plants in II-A.....	3	-5	ft.
Cornus—in variety.....	3	-5	ft.
Bush Honeysuckles—in variety.....	4	-5	ft.
Viburnums—in variety.....	4	-5	ft.
Witch Hazel.....	4	-5	ft.

B MEDIUM HEIGHT:

All plants in II-B.....	3½	-4	ft.
Aralia Pentaphylla.....	3½	-4	ft.

C LOW-GROWING:

All plants in II-C.....	2	-2½	ft.
Clethra Alnifolia.....	2	-2½	ft.
Viburnum Opulus Nanum.....	2	-2½	ft.

CLIMBING and GROUND-COVERING VINES and SHRUBS

For Ground-covering.

Distance apart
to set the plants

A SMALL BANKS AND TERRACES:

Barberry.....	2½	-3	ft.
Evonymus Radicans—in variety.....	2	-2½	ft.
Forsythia Suspensa.....	3	-4	ft.
Hypericum—Henryi, and Moserianum.....	2	-2½	ft.
Pachysandra Terminalis.....	1		ft.

B LARGE BANKS AND TERRACES:

Ampelopsis Quinquifolia.....	4	-5	ft.
Bittersweet.....	4	-5	ft.
Honeysuckles—Halleana, etc.....	4	-5	ft.
Matrimony Vine.....	5	-6	ft.
Rosa—Setigera, and Wichuriana type.....	4	-5	ft.
All in group A (above).....			

For Climbing.

Distance apart
to set the plants

On porch, trellis, fence or wall. Those types which cling to wood, stone, brick or stucco—are designated by a star (*); the rest twine or need support.

Akebia Quinata.....	6	-10	ft.
*Ampelopsis—in variety (Veitchii, 4-6 ft.).....	6	-10	ft.
*Bignonia Radicans (Trumpet Vine).....	6	-10	ft.
Bittersweet (Celastrus Scandens).....	6	-10	ft.
Clematis—in variety.....	6	-10	ft.
Dutch Pipe (Aristolochia Siphon).....	4	-6	ft.
*Evonymus Radicans—in variety.....	4	-6	ft.
Honeysuckles—in variety.....	4	-6	ft.
Kudzu Vine (Pueraria Thunbergiana).....	4	-6	ft.
Climbing Roses—in extensive variety.....	6	-8	ft.
Silver Lace Vine (Polygonum Auberti).....	4	-8	ft.
Wisterias—in variety.....	8	-10	ft.

HEDGES: SHRUBS MOST COMMONLY USED

Informal Lines—not Clipped.

Planting
interval

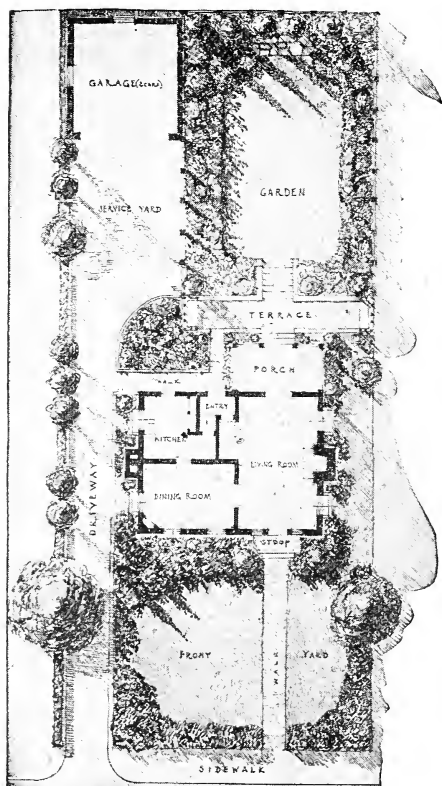
Berberis Thunbergi.....	1	-1½	ft.
Privets—in variety.....	1	-1½	ft.
Altheas—in variety.....	2	-2½	ft.
Buckthorn.....	1½		ft.
Crataegus Crus-galli.....	2		ft.
Indian Currant.....	2	-2½	ft.
Mock Orange—in variety.....	2	-2½	ft.
Dwarf Spiraea—in variety.....	1½	-2	ft.
Spiraea Van Houtte.....	1½	-2	ft.

Clipped—Formal Design.

Planting
interval

Berberis Thunbergi.....	12-15	in.
Box-Barberry.....	10-12	in.
Dwarf Box.....	6	in.
Tree Box.....	10	in.
California Privet.....	8-12	in.
Regel's Privet.....	12-15	in.
Evonymus Radicans—in variety.....	8-12	in.

Other shrubs and various Evergreen types are used with fine effect, but these greatly increase the expense of first cost, and maintenance.



EVERY year, particularly right in the busy shipping and planting seasons, this office is besieged by hundreds of letters requesting advice and landscape assistance in developing the ornamental planting of their new-home grounds. Being Nurserymen, and not Landscape Architects, we are not equipped to prepare individual landscape plans, nor even to go into much detail in mere correspondence advice. Such service must be expert to be of value, which naturally limits the available office personnel. Most of these demands come at the eleventh hour, when active nurseries are under high-pressure and overtime, to handle their general orders and deliver the stock. We enjoy giving service, and always regret denying it to any patron or prospect.

To cover the apparent need for certain lines of information in regard to laying out and selecting proper material for ornamenting the average city or suburban lot with its average house type, we are here offering to those who read our catalog, 24 specific planting designs calculated to meet a great many typical and country-wide conditions—with definite quantities, chosen varieties, and actual cost. From among these, the seeker for such assistance should be able to find a suitable match for his particular conditions and requirements. We expect this section to relieve our correspondence strain; and sincerely hope it may render valuable service to a far greater number of people than we could possibly serve individually. To gain your respect for the artistic and technical correctness of these plans, know that we have spent some real money with a prominent, well-known Landscape Architect, who has achieved success not only in the larger aspects of his profession, but more popularly in many years service in lectures and gardening magazine articles. These plans are made up specially for us—and you. We have not conformed strictly to the latest style in nomenclature, being actually guilty of mixing up both botanical and common names in the same group of designations, and using too many capital letters; but we suspect you will appreciate the more familiar names.

Consult page 133 for planting interval of the various shrubs listed; and page 135 for a plate illustrating proper spacing, and a practical method of laying out.

THE PICTURE OF THE GROUNDS

A landscaped home-lot with its house and other buildings, is as much a "picture" as any like scene displayed on canvas. In either case, the house is chief, and center of interest; trees, shrubs, vines, plants, grass; walks, drive and out-door furniture, being but supplementary. Their function not to draw the eye and win approbation for themselves, but first and last to circumscribe their chief, and point the view house-ward; their reward, its beauty so envired.

BACK YARD PLANTING

It is a matter for mutual congratulation that the day of back-yard neglect and abuse, is passing. Instead of the tin can, rubbish, garbage and unsightly service posts; modern education and refinement are introducing clipped lawn; straight edged beds; color, fragrance, and flower beauty; the pleasant verdure of shrubs; the cooling shade and dignity of trees. The modern lady-of-the-modest-house now takes her sewing or her friends to its afternoon refreshment; the master-of-the-house gathers his family to its seclusion when the work-day is spent, as a sanctuary from toil and strife.

THE HOUSE ON A CORNER LOT

A corner lot imposes double obligation upon its owner; for his house and his planting must be passed upon by two streams of traffic, in critical observation. Our prepared plans will serve here as well, only you must join **two** fronts.

HEDGES

Hedges can be planted along the property lines, if desired, in addition to the shrubs assigned on the various plans. If the majority of neighboring lots are hedged in—do you likewise. If open—regard carefully the general effect on the street before you break up the uniformity. A community spirit is admirable.

VINES

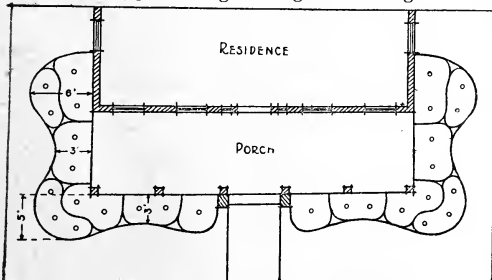
Vines have an important place in all planting schemes; as wall, pillar or fence decorations; for utilitarian purposes of quick screen or shade; for covering grassless ground and eroding banks. Many beautiful artistic effects are possible with proper vines against stone, brick or stucco as well as wood.

PLANTING INSTRUCTION

Preparation. The first step is to study a good catalog and helpful plan (S. & H. Co. preferred); make out and send your complete order; then dig up the planned locations, fertilize or replace the soil; and arrange to plant your order promptly.

Planting. As soon as your shipment arrives, open up and verify stock, then heel-in somewhere in shaded, moist soil. Take out a few at a time to location. Dig holes large and deep enough to receive the roots without cramping; sift fine dirt thruout the network of fibrous roots; fill up, tamp solid, leaving no fissures. Soak thoroughly, and rake the surface level.

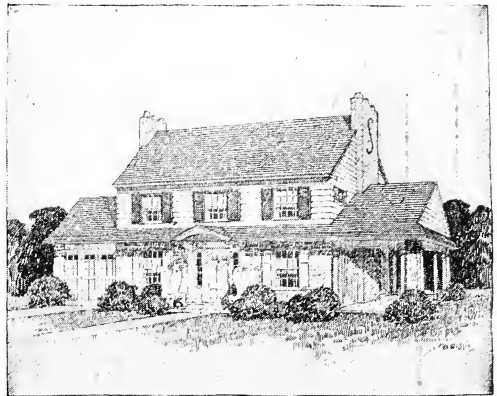
Maintenance. Thereafter, make sure there is sufficient soil moisture. Keep ground cultivated and free from weeds, preserving a straight clean edge.



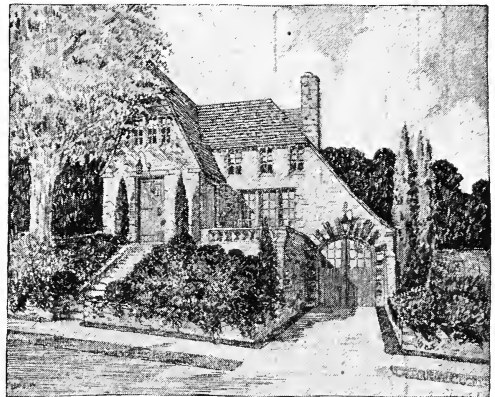
Model Spacing and Location Design



Typical Colonial Front—with Full Porch



Garage—Central Door—End Porch. Plan 7

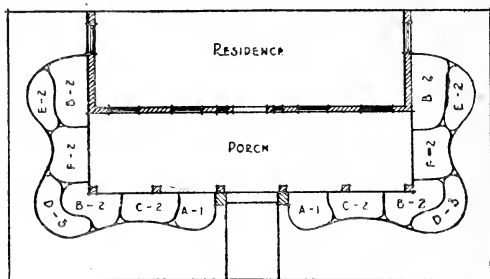


THE HOUSE ABOVE STEEP TERRACE

In hilly towns, many interesting problems confront the planter. The picture above is a typical situation, well planted. The wide variations as to height of elevation and distance from street, makes each house a problem by itself. On account of erosion of the soil, all slopes are difficult to sod and mean places to mow. It is therefore good and sensible practice to establish a ground cover; in large areas and the steeper slopes, with various rooting vines and roses fringed by proper shrubs; in gentle slopes and small area with an irregular composite of suitable dwarf shrubs.

PRACTICAL LANDSCAPE DESIGNS

Suitable shrub types in selected varieties, assigned to particular locations against the various foundation facings of typical modern houses. The next preceding pages direct exact computation of quantities. Best quality stock in normal shipping sizes is considered in the succeeding plans; which you can order by number.



PLAN No. 1 WITH THE PORCH ACROSS THE FRONT

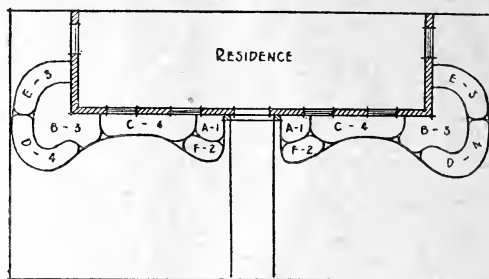
Whether this porch is covered or merely a terrace, the planting characteristics would correspond. The tall types are at the corners; the steps are treated both sides alike.

SUNNY:

A	2	Honeysuckle Morrowi.....	\$ 1.40
B	8	Spirea Van Houtte.....	4.00
C	4	Snowberry.....	2.80
D	6	Philadelphus Manteau d'Hermine.....	3.00
E	4	Indian Currant.....	2.40
F	4	Deutzia Magnificata.....	2.40
Total.....			\$16.00

SHADED:

A	2	Honeysuckle Morrowi.....	\$ 1.40
B	8	Regel's Privet.....	2.80
C	4	Snowberry.....	2.40
D	6	Berberis Thunbergi.....	2.10
E	4	Indian Currant.....	2.40
F	4	Snowberry.....	2.40
Total.....			\$13.50



PLAN No. 3 DOOR IN CENTER. NO FRONT PORCH

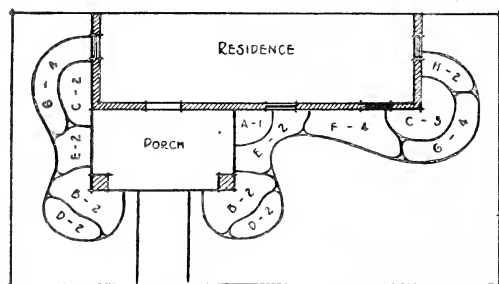
Conventional colonial type—no porch, entrance door at center. Being so balanced, the door is the dominant feature emphasized by tall planting. Both sides should be alike; the outside corners also tall, the connecting lines comparatively low.

SUNNY:

A	2	Spirea Prunifolia.....	\$ 1.50
B	6	Philadelphus Virginalis.....	5.40
C	8	Deutzia Magnificata.....	4.00
D	8	Snowberry.....	4.80
E	6	Berberis Thunbergi.....	2.10
F	4	Philadelphus Manteau d'Hermine.....	2.40
Total.....			\$20.20

SHADED:

A	4	Ibodium Privet.....	\$ 1.00
B	6	Viburnum Dentatum.....	3.00
C	8	Snowberry.....	4.80
D	8	Berberis Thunbergi.....	2.80
E	6	Indian Currant.....	3.00
F	4	Berberis Thunbergi.....	1.60
Total.....			\$16.20



PLAN No. 2 PORCH PART WAY ACROSS THE FRONT

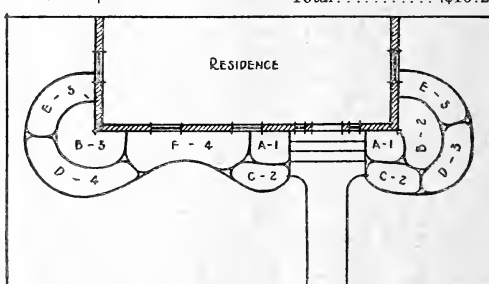
A balanced entity, altho focused on the off-side porch.

SUNNY:

A	1	Spirea Van Houtte.....	\$ 0.60
B	4	Honeysuckle Morrowi.....	2.40
C	5	Weigela Rosea.....	2.50
D	4	Berberis Thunbergi.....	1.60
E	4	Snowberry.....	2.80
F	4	Philadelphus Manteau d'Hermine.....	2.80
G	8	Berberis Thunbergi.....	2.80
H	2	Spirea Thunbergi.....	1.40
Total.....			\$16.90

SHADED:

A	1	Rhodotypos Kerrioides.....	\$ 0.75
B	4	Honeysuckle Morrowi.....	2.40
C	5	Viburnum Dentatum.....	2.50
D	4	Berberis Thunbergi.....	1.60
E	4	Snowberry.....	2.40
F	4	Indian Currant.....	2.40
G	8	Berberis Thunbergi.....	2.80
H	2	Snowberry.....	1.20
Total.....			\$16.05



PLAN No. 4 NO FRONT PORCH. DOOR OFF CENTER

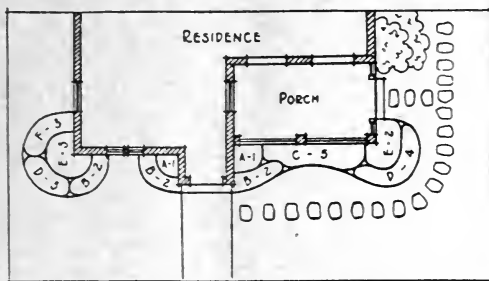
Similar to No. 3, except the door is to left or right of center, creating an unsymmetrical problem which is perhaps one of the most awkward and difficult to properly landscape. We believe our layout successfully covers the situation.

SUNNY:

A	2	Spirea Van Houtte.....	\$ 1.20
B	5	Weigela Rosea.....	3.00
C	4	Philadelphus Manteau d'Hermine.....	2.40
D	7	Berberis Thunbergi.....	2.45
E	6	Snowberry.....	3.60
F	4	Hydrangea Arborescens Grandiflora.....	3.40
Total.....			\$16.05

SHADED:

A	2	Honeysuckle Morrowi.....	\$ 1.40
B	5	Cornus Paniculata.....	2.50
C	4	Indian Currant.....	2.00
D	7	Berberis Thunbergi.....	2.45
E	6	Indian Currant.....	3.00
F	4	Snowberry.....	2.80
Total.....			\$14.15

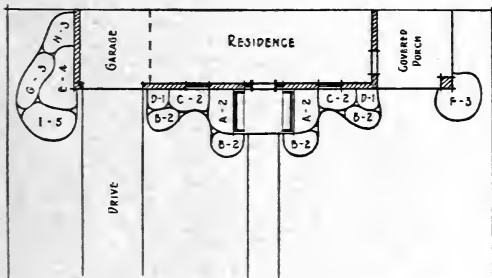


PLAN No. 6 HOUSE WITH A RECESSED PORCH

This plan presents a pleasingly balanced effect; altho the open recessed porch requires low-growing shrubs so as not to interrupt vision, while the house proper beyond the door has wall space allowing a higher growth. This type can be treated successfully in widely varied combinations.

SUNNY:			
A	2	Rhodotyus Kerrioides.....	\$ 1.50
B	6	Berberis Thunbergi.....	2.10
C	5	Snowberry.....	3.00
D	7	Philadelphus Manteau d'Hermine.....	4.50
E	5	Spirea Van Houtte.....	2.00
F	3	Deutzia Gracilis.....	1.50
		Total.....	\$13.60

SHADED:			
A	4	Ibodium Privet.....	\$ 1.00
B	6	Berberis Thunbergi.....	2.10
C	5	Snowberry.....	3.00
D	7	Indian Currant.....	3.50
E	5	Viburnum Dentatum.....	2.50
F	3	Berberis Thunbergi.....	1.05
		Total.....	\$13.15

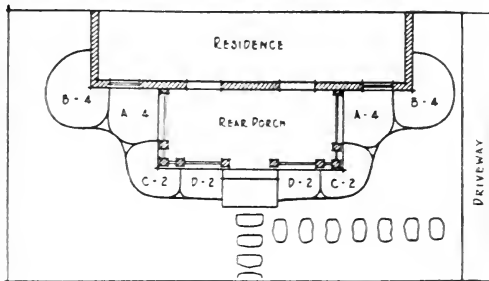


PLAN No. 7 CENTRAL FRONT DOOR, GARAGE AND PORCH, ENDS

A house of this type requires quite symmetrical treatment each side of the central door, with a variation at either end where Garage and Porch express different characteristics.

SUNNY:			
A	4	Spirea Van Houtte.....	\$ 2.00
B	8	Berberis Thunbergi.....	2.80
C	4	Spirea Thunbergi.....	2.80
D	2	Hydrangea Paniculata Grandiflora.....	1.50
E	4	Viburnum Dentatum.....	2.40
F	3	Honeysuckle Morrowi.....	2.10
G	3	Aronia Arbutifolia.....	2.40
H	3	Weigela Rosea Nana Var.....	1.80
I	5	Berberis Thunbergi.....	1.75
		Total.....	\$19.55

SHADED:			
A	4	Viburnum Dentatum.....	\$ 2.40
B	8	Berberis Thunbergi.....	2.80
C	4	Rosa Rugosa Grootendorst.....	3.40
D	2	Hydrangea Arborescens Grandiflora.....	1.50
E	4	Deutzia Crenata fl. pl.....	2.40
F	3	Honeysuckle Morrowi.....	2.10
G	3	Snowberry.....	1.80
H	3	Indian Currant.....	1.80
I	4	Rosa Rugosa Rubra.....	3.00
		Total.....	\$21.20

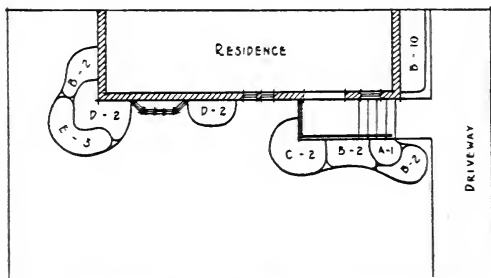


PLAN No. 10 THE HOUSE WITH A LARGE REAR PORCH

In considering this plan, it must be borne in mind that a rear planting is absolutely opposite as to sun or shade to the front, and must be given the alternative selection of material. In small back yards, as in small front lawns, it is best to confine the plantings to compact groups against the building, rather than to spread them out here-and-there without correlation.

SUNNY:			
A	8	Hydrangea Paniculata Grandiflora.....	\$ 5.20
B	8	Spirea Van Houtte.....	3.20
C	4	Honeysuckle Grandiflora Rosea.....	2.80
D	4	Spirea Froebeli.....	2.80
		Total.....	\$14.00

SHADED:			
A	8	Snowberry.....	\$ 5.60
B	8	Cornus Paniculata.....	4.00
C	4	Regel's Privet.....	1.60
D	4	Berberis Thunbergi.....	1.60
		Total.....	\$12.80

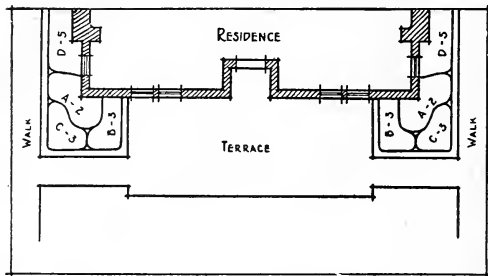


PLAN No. 11 SMALL UNCOVERED SERVICE PORCH

This rear-door condition is prevalent, where the small, raised, uncovered platform near one corner leads directly to the kitchen. You will note we establish the tallest shrubs at the opposite corner, surrounding the porch itself with the medium and low-growing types. This is necessary for proper balance, the porch structure otherwise creating an over-prominent heaviness. In Plan No. 13, you will find a variation to take care of this porch when covered.

SUNNY:			
A	1	Philadelphus Virginialis.....	\$ 1.50
B	16	Berberis Thunbergi.....	5.60
C	2	Variagated-leaved Althea.....	1.70
D	4	Spirea Van Houtte.....	2.40
E	3	Spirea Froebeli.....	2.10
		Total.....	\$13.30

SHADED:			
A	1	Honeysuckle Morrowi.....	\$ 0.70
B	16	Berberis Thunbergi.....	5.60
C	2	Regel's Privet.....	.80
D	4	Spirea Van Houtte.....	2.40
E	3	Rosa Rugosa Rubra.....	2.25
		Total.....	\$11.75



PLAN No. 12 THE HOUSE WITH REAR TERRACE

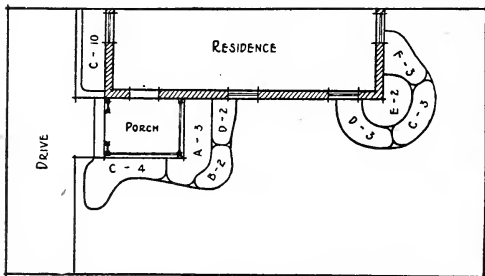
The utility of the house plan is obvious in the picture, but ornamentally its landscaping is particularly adapted to merge with the scheme outlined in No. 15, for converting the back yard into a well shaded leafy, secluded out-door living room. In this case, no planting should be located between the terrace and the grass of the central lawn, unless it be a low clipped hedge. As illustrated, the planting masses against the house itself, are confined to the outer corners; thus balancing the entire area.

SUNNY:

A	4	Spirea Van Houtte	\$ 2.40
B	6	Weigela Rosea Nana Var.	3.00
C	6	Spirea Anthony Waterer	3.00
D	10	Snowberry	6.00
Total			\$14.40

SHADED:

A	4	Spirea Van Houtte	\$ 2.40
B	6	Snowberry	3.60
C	6	Rosa Rugosa Rubra	4.20
D	10	Indian Currant	5.00
Total			\$15.20



PLAN No. 13 WITH SMALL COVERED SERVICE PORCH

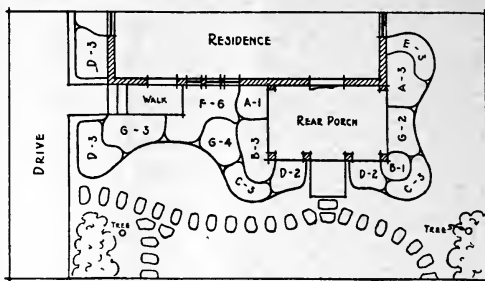
Here is a covered rear porch, similar to No. 11 as to location, but differently treated on account of the covering. The principles featuring the other layout maintain here as well; the addition of vines on porch being quite allowable.

SUNNY:

A	3	Philadelphus Virginialis	\$ 4.50
B	2	Callicarpa Purpurea	1.20
C	7	Spirea Anthony Waterer	3.50
D	5	Snowberry	3.00
E	2	Weigela Rosea	1.40
F	3	Philadelphus Manteau d'Hermine	1.80
G	10	Ibolum Privet	2.00
Total			\$17.40

SHADED:

A	3	Common Purple Lilac	\$ 2.10
B	2	Berberis Thunbergi	.70
C	7	Rosa Rugosa Rubra	4.90
D	5	Snowberry	3.00
E	2	Viburnum Dentatum	1.20
F	3	Indian Currant	1.80
G	10	Ibolum Privet	2.00
Total			\$15.70



PLAN No. 14 REAR PORCH AND EXTRA SERVICE DOOR

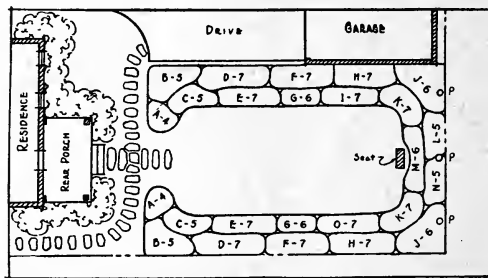
In this case, the taller plants are located against the building, with the medium and dwarfed types planted about them; thus saving the vertical lines of the house. Broken stone paths are artistic as well as useful, their location regulated by objectives to be reached.

SUNNY:

A	4	Spirea Van Houtte	\$ 2.40
B	4	Forsythia Fortunei	2.40
C	6	Philadelphus Manteau d'Hermine	3.00
D	10	Berberis Thunbergi	3.50
E	3	Spirea Froebeli	2.40
F	5	Hydrangea Paniculata Grandiflora	2.50
G	9	Callicarpa Purpurea	4.50
Total			\$20.70

SHADED:

A	4	Viburnum Dentatum	\$ 2.40
B	4	Regel's Privet	1.60
C	6	Rosa Rugosa Grootendorst	5.10
D	10	Berberis Thunbergi	3.50
E	3	Indian Currant	1.50
F	5	Hydrangea Arborescens Grandiflora	3.75
G	9	Cornus Sericea	4.50
Total			\$22.35



PLAN No. 15 THE BACK YARD AS AN OUT-DOOR LIVING ROOM

This planting serves not only to delight the eye, but the tall-growing outer fringe effectually screens from view possibly obnoxious neighboring conditions; throws refreshing summer shade, and maintains a desirable privacy for enjoyment by your family. The inner lines inject bright color and piquant foliage types; and being of low growth, add to variety without detracting from your complete view.

A	8	Berberis Thunbergi	\$ 2.80
B	10	Spirea Opulifolia Aurea	5.00
C	10	Weigela Rosea Nana Var.	5.00
D	14	Weigela Rosea	8.40
E	14	Spirea Froebeli	8.40
F	14	Rhamnus Frangula	7.00
G	12	Rosa Rugosa Rubra	8.40
H	14	Forsythia Fortunei	8.40
I	7	Deutzia Magnificata	3.50
J	12	Common Purple Lilac	7.20
K	14	Regel's Privet	4.90
L	5	Philadelphus Virginialis	7.00
M	6	Spirea Van Houtte	2.40
N	5	Honeysuckle Fragrantissima	3.00
O	7	Deutzia Venusta	3.50
P	3	Lombardy Poplar (10 to 12 ft.)	3.00
Total			\$87.90

● HARDY ORNAMENTAL TREES 139

This section of our Nursery business requires over two hundred acres of land, distributed in immense, solid blocks to whatever variety of soil is best adapted for each particular kind of tree. A visit to the Ornamental section of our plantation is always a pleasure and education to those of our friends who live near enough to make the trip. We grow other classes and varieties of trees than are listed in this book, fully described in our Descriptive Catalogue No. 1, which we will mail upon application and receipt of ten cents. The reason they are not included in this book is partly because of limited space, but mainly because supply has not been able to keep up with demand.

The succeeding lists represent the most favored trees for lawn adornment, and the best types for street and grove plantings. **We will be pleased to quote prices** to anyone desiring different sizes or stock in larger quantities than offered herein. In sending list state definitely the number of each variety and size wanted.

Five or more of one kind and size, at ten rate; twenty-five or more at hundred rate.

We are always pleased to allow personal selection by our customers of particular ornamental trees, but in no such case will listed prices apply.

DECIDUOUS TREES

AILANTHUS. (Tree of Heaven.) Extremely rapid grower, palm-like leaves. Thrives in city lots exposed to gas and smoke, and in soils where other trees perish. 6 to 8 feet—\$1.50 each; \$12.00 per 10.

AMELANCHIER, Botryapium. The charming "June-berry" or "Shadblow." Graceful, slender form, white in April with drooping snowy flowers, small edible purple fruit in June.

	Each	Per 10
2 to 3 feet.....	\$.65	\$5.00
3 to 4 feet.....	.75	6.50

ARALIA, Japonica. Handsome small tree. Foliage immense, finely divided; flowers in large white spikes in July. 3 to 4 feet, 60 cts.; 10 for \$5.00. 4 to 6 feet, 75 cts.; 10 for \$6.50. Specimens, \$2.00 to \$4.00 each.

ASH, American White. A tall rapid grower, smooth gray bark, glossy leaves. For parks and very good for streets.

	Each	Per 10	Per 100
6 to 8 feet.....	\$0.85	\$7.50	\$70.00
8 to 10 feet.....	1.00	9.00	85.00
10 to 12 feet.....	1.25	11.00	100.00

Larger selected, \$2.50 to \$5.00 each.



The White Ash as a Street Tree

BIRCH

Cut-Leaved Weeping. Its tall, slender, yet vigorous growth, graceful drooping habit, silvery white bark and delicately cut foliage presents a combination of attractive characteristics rarely met with in a single tree. Very popular for single lawn specimens or groups of three or four trees; the white bark of trunk and twigs gleaming conspicuously among the darker greens and browns. 3 to 4 feet—\$1.25 each; 4 to 6 feet—\$1.75 each.

Red. (Betula Nigra.) A moisture loving, graceful tree with numerous slender branches and torn and ragged bark. 4 to 6 feet, \$1.25. 6 to 8 feet, \$2.00.

Yellow. Large native tree, with fine leaves and yellowish gray bark. 6 to 8 feet, \$2.00. 8 to 10 feet, \$2.50.

CATALPA

PRICE OF CATALPAS

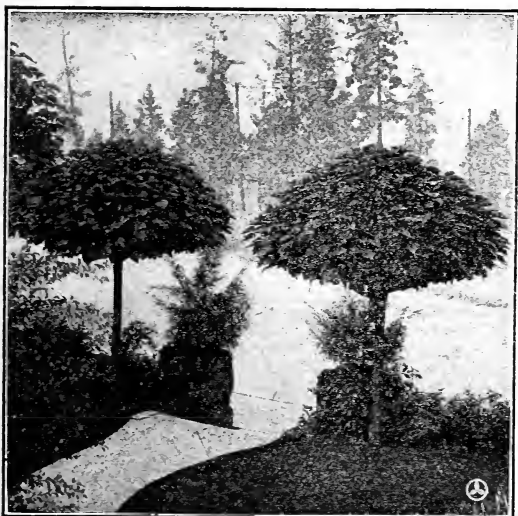
	Each	Per 10
Bungei (Grafted), 5 to 6 feet.....	\$1.75	\$15.00
" " 6 to 8 feet.....	2.00	17.50
" Dwarf, 3 to 4 feet.....	1.25	.....
Speciosa, 8 to 10 feet.....	1.00	8.50
" 10 to 12 feet.....	1.75	15.00

Catalpa Bungei. (Umbrella Catalpa.) Grafted on stems 5 to 8 feet high, it makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in all soils and climates. Leaves large, glossy, heart-shaped, deep green, lying like shingles on a roof; always making a symmetrical head. Usually set in pairs on opposite sides of a walk, entrance, etc.

Dwarf Bungei. Worked low; making a handsome dwarf specimen, with all the wealth of green foliage found in the standard form, clear to the ground.

Speciosa. Valuable for timber, fence posts, railroad ties, etc., on account of rapid growth and durability. Large heart-shaped, downy leaves, and compound panicles of white flowers, tinged with violet and dotted with purple and yellow.

1 year by express, \$1.25 per 100; \$10.00 per 1000. By mail, 10 for 50 cts.; 100 for \$2.00.



Catalpa Bungei



Cornus Florida

FLOWERING CHERRIES

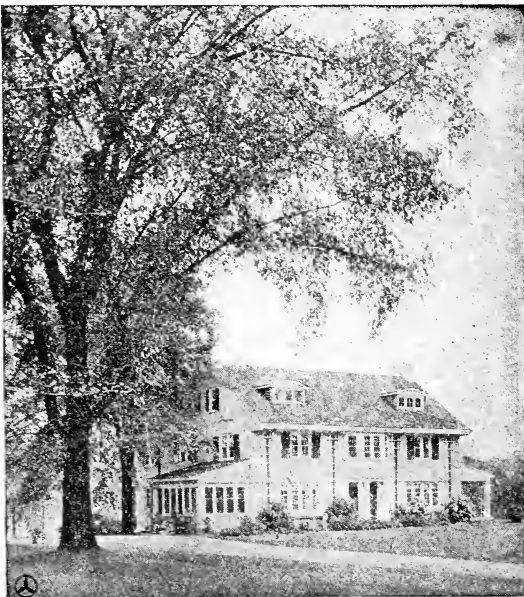
Double White. A charming small tree with branches completely covered with a mass of large double white flowers in May. 4 to 6 feet, \$2.00.

Japan Weeping. A weeping form worked on 4 to 6 feet stems, the pendulous limbs drooping to the ground. A beautiful object when covered with its rosy masses of bloom in early spring. \$3.50 each.

Rhexi, fl. pl. A pretty dwarf tree with rose-like double white flowers, completely covering the tree in May. 3 to 4 feet, \$1.75.

CORNUS (The Dogwoods)

CORNUS Florida. (White Flowering Dogwood.) Flowers white, 3 to 3½ inches in diameter, produced in spring before leaves appear; very abundant, showy and durable. Foliage grayish green, glossy and handsome; in the autumn turning to deep red. Spreading, irregular form, growing 20 to 25 feet high. Used with telling effect in tall shrub backgrounds



American Elm

and corner groups, to inject sparkling white bloom in spring, and for crimson autumn foliage. 2 to 3 feet, 75 cts.; \$6.50 per 10. 4 to 6 feet, \$2.00; 10 for \$18.00.

Cornus Florida Rubra. (Red Flowering Dogwood.) More formally shaped, with handsome red flowers. An attractive lawn specimen or group subject. 2 to 3 feet, \$2.00. 3 to 4 feet, \$3.00.



Bechtel's Flwg. Crab

FLOWERING CRABS (Pyrus)

Rounded, compact, small trees, largely used in lawn groups and high shrub borders, for their profuse early bloom; their dense, glossy, handsome foliage which color richly; and their ornamental fruits.

Atrosanguinea. Makes a beautiful contrast to the other varieties by reason of its darker red flowers. The buds are deep purplish red, and the entire flower tinged purplish. 3 to 4 ft., \$1.00. 4 to 5 ft., \$1.25.

Bechtel's. Makes a medium sized tree; perfectly hardy, succeeds well in most soils. When in bloom appears to be covered with delicate pink, perfectly double small roses of delicious fragrance. 2 to 3 feet, \$1.25 each. 3 to 4 feet, \$1.50. Mail size, 75 cts.; 3 for \$2.00.

Floribunda. A large shrub or small tree, often thorny, with rose-red flowers borne in great profusion in May. The fruit is red and very small, on long stems. 3 to 4 feet, \$1.00. 4 to 5 feet, \$1.50.

Floribunda Purpurea. A beautiful form of above with darker red flowers. 3 to 4 feet, \$1.00. 4 to 5 feet, \$1.50.

THE ELMS

PRICE OF ELMS

	Each	Per 10	Per 100
American, 6 to 8 feet.....	\$1.50	\$12.50	\$100.00
" 8 to 10 feet.....	1.75	15.00	130.00
" 10 to 12 feet.....	2.00	17.50	160.00
English, 8 to 10 feet.....	2.00	17.50	.....
" 10 to 12 feet.....	2.50	22.50	.....
Scotch, 10 to 12 feet.....	2.25	20.00	.....

Selected specimens, \$3.00 to \$6.00 each.

American. A noble native tree of great size and wide spread, with graceful drooping branches and handsome leaves. One of the best tree types for towering, heady effect and wide-spread shade, in the yard itself. Indispensable to shaded parks, and largely used along the sides of wide avenues.

English. More densely branched than American, and not quite so tall with smaller, darker leaves, retained longer in autumn. The branches project from the trunk almost at right angles.

Scotch. A rapid-growing spreading tree, with large, rough, dark, green leaves.

EVONYMUS, Bungeanus. Tall growing shrub with slender branches and finely serrate 2 to 4 inch leaves. Flowers appear in numerous small forked cymes; succeeded by large, deeply lobed fruits which show pink, with white seeds and orange arils. 3 to 4 feet, 80 cts. 4 to 5 feet, \$1.00.

HORSE CHESTNUT, White Flowering. The handsome European species; has magnificent spikes of white flowers borne in great profusion and sweetly scented. 4 to 5 feet, \$1.50. 5 to 6 feet, \$2.00. Selected specimens, \$3.50 to \$7.50 each.

HONEY LOCUST. A large, vigorous tree, with wide-spreading branches, feathery, fern-like leaves, and a stout armament of thorns. Makes a fine defensive hedge. 4 to 6 feet, 75 cts.; 10 for \$6.00. 6 to 8 feet, 95 cts.; 10 for \$8.00. 1 year: By express, \$2.00 per 100; \$15.00 per 1000. By mail, 60 cts. per 10; \$2.50 per 100.

BLACK LOCUST. A native tree of large size, and rapid growth. Flowers in long white racemes, very fragrant. Valuable for timber. 6 to 8 feet, 75 cts. 1 year: By express, \$1.50 per 100; \$12.00 per 1000. By mail, 10 for 60 cts.; 100 for \$2.00.

JUDAS TREE. (Red Bud.) A small growing tree of irregular form, with heart-shaped leaves. It is covered with bright pink blossoms early in spring before the leaves appear; and is largely used in groups of shrubs and small trees to give color for this early season. 3 to 4 feet, \$1.00; 10 for \$9.00.

LINDENS



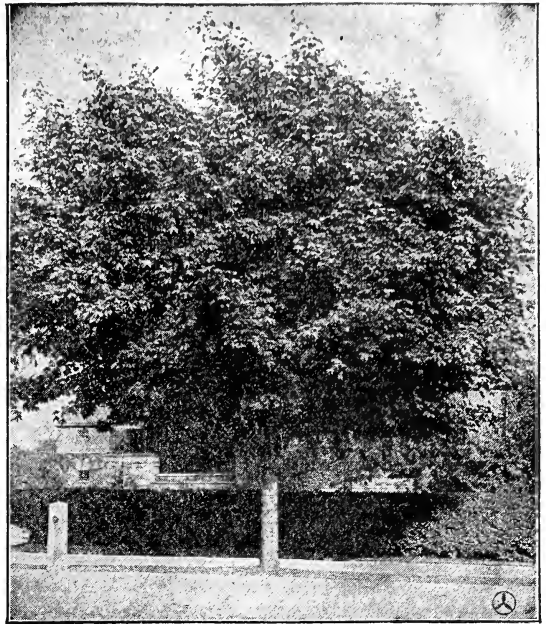
European Linden

American. A stately tree, growing 60 to 80 feet tall, with large, shining cordate leaves. Valuable for its beautiful white wood. Its flowers appear in July. 6 to 8 feet, \$2.00 each. 8 to 10 feet, \$2.50 each.

European. Largely used for street and ornamental planting, developing into beautiful specimens. 8 to 10 feet, \$2.00 each; \$17.50 per 10.

10 to 12 feet, \$2.50 each; \$22.50 per 10.

Selected specimens above, \$3.50 to \$7.50 each.



Norway Maple

LIQUIDAMBAR. (Sweet Gum.) Short, corky-winged branches and masses of star-shaped, lustrous leaves, that color to intense crimson-scarlet in fall; picturesque in winter with its odd swinging seed balls and corkwinged branches. 4 to 6 feet, \$2.00.

THE MAPLES

Probably no shade tree is so well known, more generally planted or so popularly loved as the Maple in its varied, but altogether charming and useful types.

PRICE OF MAPLES

	Each	Per 10	Per 100
Ash-leaved, 6 to 8 feet.....	\$1.00	\$ 9.00	.....
" 8 to 10 feet.....	1.25	11.00	.....
Norway, 6 to 8 feet.....	2.25	20.00	.....
" 8 to 10 feet.....	2.75	25.00	.....
Silver-leaved, 8 to 10 feet.....	1.50	12.50	.....
Sugar or Rock, 8 to 10 feet...	2.00	17.50	.....

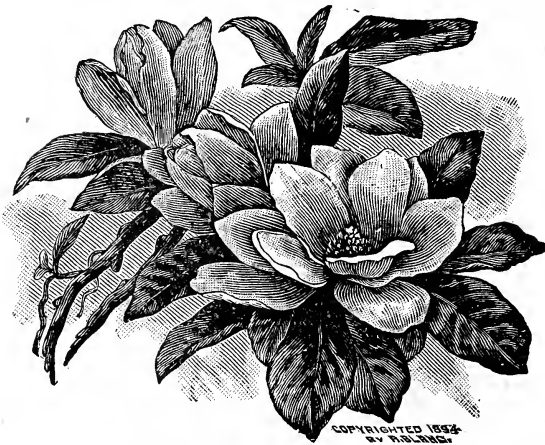
Can furnish select large size specimen trees of most varieties of Maples at from \$3.00 to \$10.00 each.

Ash-Leaved. (Box Elder.) A rapid-growing variety; with light green foliage and spreading head, very hardy; desirable for street planting and succeeds in many sections where other varieties do not.

Norway. Native of Europe; a large handsome tree, with broad, deep green, shining foliage. Very desirable for street, park or lawns. The Norway Maple characteristically makes the roundest head; is colored the deepest, coolest green; and furnishes the densest shade of the entire list of good trees.

Silver. A hardy, rapid-growing, beautiful native tree of large size. Valuable for producing a quick shade. Unfortunately, stock of this well-known and liberally planted type is becoming so scarce, the price has doubled during the past few years.

Sugar or Rock Maple. This tree is chieftain of its clan; straight, spreading, symmetrical, of grand proportions, often 120 feet in height and longer lived than most men who plant it. It grows well in all except damp, soggy soils, and roots deeply, allowing grass to grow close about its trunk. Its bold leaves have rich autumn tints of clear-yellow and scarlet,



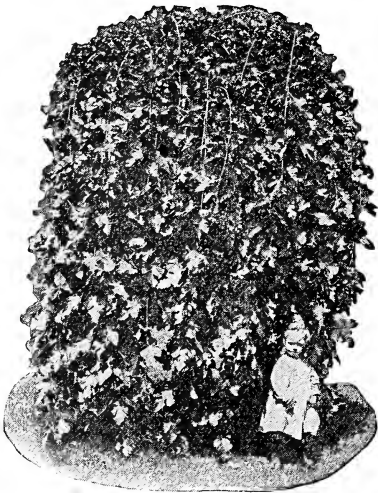
Flower and Leaf of "Sweet Bay"

MAGNOLIA, Glauca. (Sweet Bay.) When planted in moist soil this makes a handsome tree, 30 to 40 feet high. Its leaves are glossy, laurel-like, almost evergreen. In June its pure white flower cups are lovely and fragrant. **With ball:** 3 to 4 feet, \$3.00; 10 for \$27.50. 4 to 5 feet, \$4.00; 10 for \$37.50.

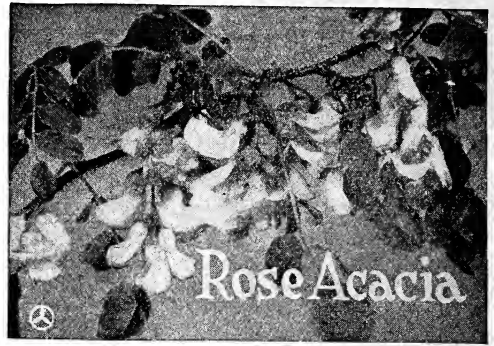
MOUNTAIN ASH, European. Hardy tree; head dense and regular, beautiful fern-like green foliage; covered from July till winter with clusters of bright red berries. The combination of foliage and clustered fruits makes this one of the most striking and beautiful trees that grow. 6 to 8 feet, \$1.50. 8 to 10 feet, \$2.00.

TEA'S WEEPING MULBERRY. Forms a perfect shaped head, with long, slender, willowy branches, drooping to the ground in light, airy gracefulness. It has beautiful foliage, is hardy, safe and easy to transplant. Admirably adapted for small or large grounds, or for cemetery planting. \$3.00 each.

OSAGE ORANGE. A medium sized spiny tree with spreading branches; rather large fern-like leaves of bright green which change to yellow in fall. Flowers are inconspicuous, but the succeeding orange-like fruits are attractive. It is chiefly utilized as a close, thorny, stock-turning hedge plant and allowed to grow fairly tall. **By express,** 1 year No. 1, \$1.25 per 100; \$10.00 per 1,000. **By mail,** \$1.75 per 100.



Tea's Weeping Mulberry



OAK, Pin. Broadly pyramidal in habit, described as half-weeping when old, because its lower branches touch the ground. It grows comparatively fast up to 60 to 80 feet. The leaves are deep green, glossy, and finely divided; orange-scarlet in fall. One of the richest and finest boulevard trees. 6 to 8 feet, \$2.00; 10 for \$17.50. 8 to 10 feet, \$2.50; 10 for \$22.50. 10 to 12 feet, \$3.00; 10 for \$27.50.

—**Red.** 80 to 100 feet tall, large in leaf and quick in growth. The young shoots and leaf-stems are red, the foliage purplish crimson in autumn. 6 to 8 feet, \$2.25; 10 for \$20.00. 8 to 10 feet, \$3.00 each; 10 for \$25.00. 10 to 12 feet, \$3.25; 10 for \$30.00.

Selected specimens, \$4.00 to \$10.00 each.

FLOWERING PEACH. Double—Red and White.

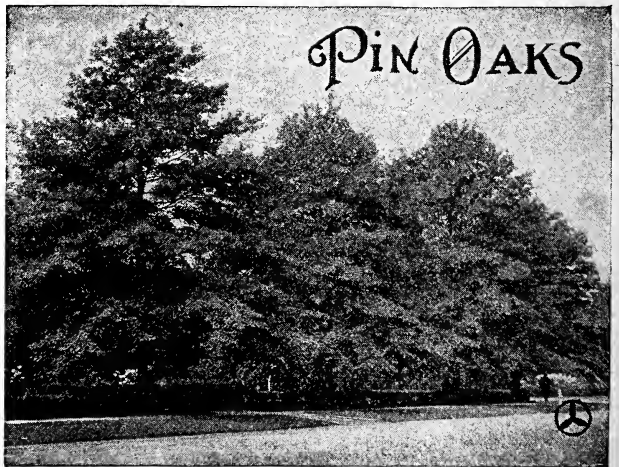
A beautiful small tree rarely over 20 feet tall; at its blossoming time in May every twig and branch bright with beautifully formed flowers. 3 to 4 feet, 85 cts.; 10 for \$7.50. 4 to 5 feet, \$1.00; 10 for \$8.50.

PTELEA Trifoliata. (Hop Tree.) Small trees, 15 to 25 feet high, with glossy, trifoliate leaves that exhale a hop-like odor when bruised. This odor is even more noticeable in the seeds, which hang in hop-like light green clusters far into autumn. 3 to 4 feet, 75 cts. 4 to 5 feet, 85 cts.; 10 for \$7.50.

ROSE ACACIA. (Moss Locust.) An elegant shrub, with light green pinnate leaves and long graceful clusters of pea-shaped, rose-colored flowers in June, often throughout the summer.

—**Own roots** (bush shape), 2 to 3 feet, 75 cts.

—**Standard.** (top worked.) 3 to 4 feet, \$1.50. 4 to 5 feet, \$2.00.



A Boulevard Alignment of Pin Oaks



THE POPLARS

Aurea (Van Geerti). Fine golden yellow foliage, retaining its brilliancy throughout the season.

Balsam. (Balm of Gilead.) A remarkably rapid growing tree, with luxuriant, glossy foliage.

Bolleana. Useful in breaking the monotony of lower round-topped trees. Will grow to a tall spire 80 feet high. Its leaves are glossy green, silvery beneath.

Carolina. A vigorous, native pyramidal tree of rapid growth, with large glossy leaves; valuable for quick shade. Makes a fine spreading head if well cut back the first few seasons.

Lombardy. Remarkable for its picturesque, tall spire-like form; useful in landscape effects.

Norway. Very broad, triangular leaves with finely scalloped edges, smooth dark green. Makes a thick, broad-topped, shading tree of quick growth and great hardness.

Simoni. Of only medium height, although bushy and as rapid growing as other varieties. Foliage small, bluntly oval tapering toward the stem; very dark, lustrous green. The bark is uniquely stained with red.

PRICE OF POPLARS

	Each	Per 10	Per 100
Aurea (Van Geerti), 6 to 8 ft..	\$0.75	\$7.00	
Balsam (Balm of Gilead)—			
“ 6 to 8 feet.....	.60	5.00	
“ 8 to 10 feet.....	.75	6.50	
Bolleana (Silver Leaf)—			
“ 6 to 8 feet.....	1.25	11.00	
“ 8 to 10 feet.....	1.75	16.00	
Carolina, 6 to 8 feet.....	.50	4.00	\$35.00
“ 8 to 10 feet.....	.60	5.00	45.00
“ 10 to 12 feet.....	.80	7.00	60.00
Lombardy, 6 to 8 feet.....	.60	5.00	45.00
“ 8 to 10 feet.....	.75	6.50	60.00
“ 10 to 12 feet.....	1.00	9.00	80.00
Norway, 6 to 8 feet.....	1.25	10.00	
“ 8 to 10 feet.....	1.50	12.50	
Simoni, 6 to 8 feet.....	1.00	8.50	
“ 8 to 10 feet.....	1.25	10.00	

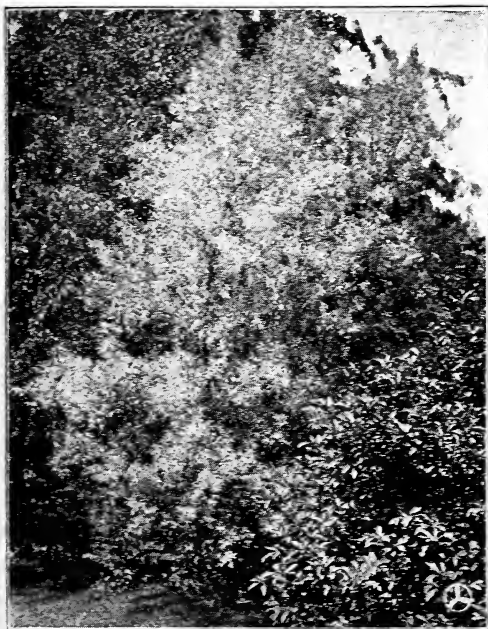


Ginkgo Tree

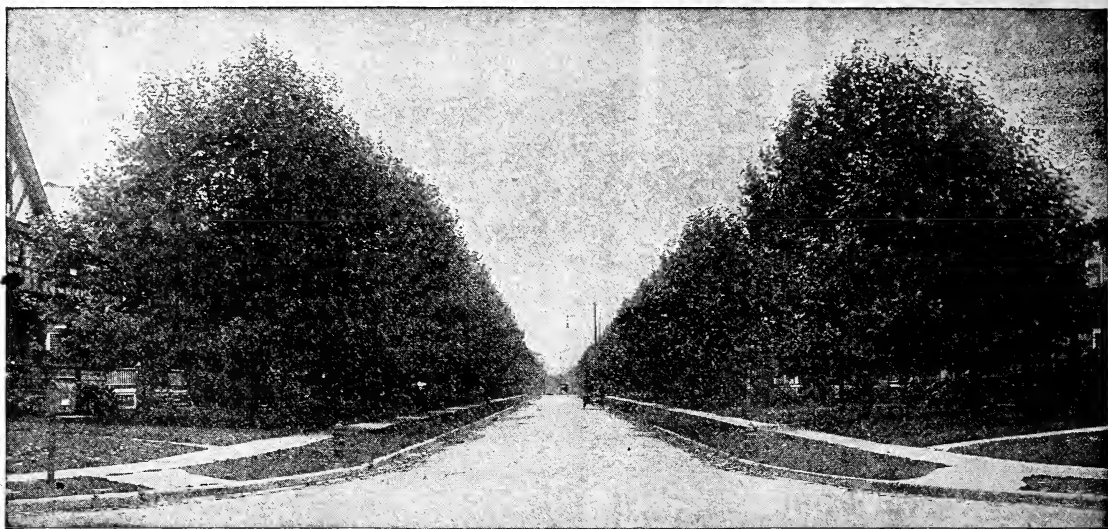
SALISBURIA. (Ginkgo, or Maiden Hair Tree.) A rare elegant tree from Japan with singular, almost fern-like foliage unlike that of any other tree; of free growth, with angular, independent branches each quite distinct and noticeable against the sky line. 6 to 8 feet, \$1.75. 8 to 10 feet, \$2.25. Selected specimens, \$3.50 to \$5.00 each.

RUSSIAN OLIVE. (*Elaeagnus Angustifolia*.) Attains a height of 20 to 30 feet, bark dark green, wood very heavy and burns like a candle. foliage rich silver color, willow shape; fragrant, deep golden flower, followed by ornamental olive fruits. This small tree affords striking contrast among dark leaved associates. 2 to 3 feet, 45 cts.; 10 for \$4.00. 3 to 4 feet, 60 cts.; 10 for \$5.00. 4 to 6 ft., 75 cts.; 10 for \$6.50.

TULIP TREE. (Whitewood.) One of the grandest of our native trees; of tall pyramidal habit, with broad, glossy, fiddle-shaped leaves and beautiful, tulip-like flowers; allied to the Magnolia. Leaf color is clean, rather bluish-green shade which in fall turns brightest yellow. Flowers are 1½ to 2 inches long, light greenish yellow marked at inside base with orange; appearing in May or June. 4 to 6 feet, \$1.50.



Russian Olive



An Avenue of European Sycamores

EUROPEAN SYCAMORE

The well-known Oriental Plane. Used in great numbers to create vistas of dense green shade, along new streets which require quick development of shade and ornamentation, practically replacing the prohibited Carolina Poplar for this purpose. A lofty, wide-spreading tree with deeply lobed palmate leaves. The bark is an attractive grayish green during the summer; but enough of it sheds during winter to give an interesting mottled appearance as the smooth, creamy white trunk is revealed.

	Each	Per 10	Per 100
6 to 8 feet.....	\$1.25	\$11.00	\$100.00
8 to 10 feet.....	1.60	14.00	135.00
10 to 12 feet.....	2.00	19.00	175.00

Larger specimens, \$2.50 to \$5.00 each.

THE WILLOWS

Besides the beauty of their airy summer foliage, the Willows have a distinct winter value in the color brightness of their bark when leaves have fallen.

PRICE OF WILLOWS

	Each	Per 10	Per 100
Babylonica, 6 to 8 feet.....	\$0.90	\$ 8.00	\$ 70.00
" 8 to 10 feet.....	1.00	9.00	80.00
Canescens, 6 to 8 feet.....	.85	7.50	.....
" 8 to 10 feet.....	.90	.....	.....
Gold Bark, 6 to 8 feet.....	.75	6.50	60.00
" 8 to 10 feet.....	1.00	9.00	80.00
" 10 to 12 feet.....	1.25	11.00	100.00
Laurel Leaved, 6 to 8 feet..	.75	6.50	60.00
" 8 to 10 feet..	1.00	9.00	80.00
" 10 to 12 feet..	1.25	11.00	100.00
Niobe, 6 to 8 feet.....	1.00	9.00	.....
" 8 to 10 feet.....	1.25	11.00	.....
Royal (Silver-leaf), 4 to 6 ft..	.85	.....	.....
ThurLOW, 6 to 8 feet.....	.90	8.00	70.00
" 8 to 10 feet.....	1.25	11.00	100.00
" 10 to 12 feet.....	1.50	13.50	125.00
Ural, 6 to 8 feet.....	1.00	9.00	.....
" 8 to 10 feet.....	1.25	11.00	.....
Wentworth, 6 to 8 feet.....	.75	6.50	50.00
" 8 to 10 feet.....	1.00	9.00	80.00
" 10 to 12 feet.....	1.25	11.00	100.00
Wisconsin, 6 to 8 feet.....	.80	7.50	65.00
" 8 to 10 feet.....	1.00	9.00	80.00
" 10 to 12 feet.....	1.25	11.00	100.00

Canescens (Hoary Willow). Plentiful foliage silvery gray, with grayish bark.

Gold Bark. Showy variety with golden bark of high color, making it very conspicuous during winter.

Laurel Leaved. A splendid ornamental small tree, with large, glossy, dark laurel-like leaves, whence its name.

Royal or Silver Leaf. A large tree, sometimes 100 feet high, with short and thick trunk and yellowish brown branches, the foliage a silvery ash gray.

Wentworth. Tall, rapid, upright; with reddish bark.

WEeping WILLOWS

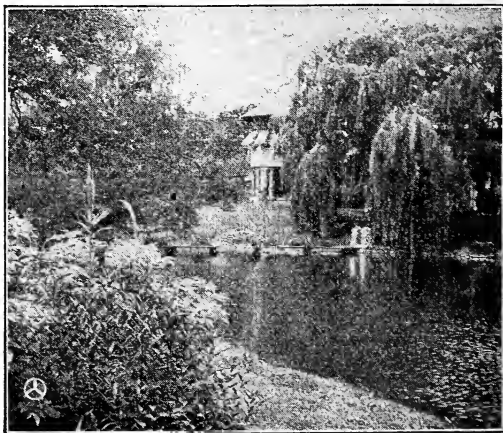
Babylonica. A graceful tree of large size. Its fresh, bright green tint and long, wavy branches make it very attractive.

Niobe. Slender leaves, green above, silvery beneath; the twigs and bark tinged dark red.

ThurLOW's. Larger and more spreading than the Babylonian form, and hardier, but similar in foliage and grayish green bark.

Ural. Numerous arching branches with yellowish wood, the narrow green leaves very densely set.

Wisconsin. A babylonica with more slender leaves and hardier.



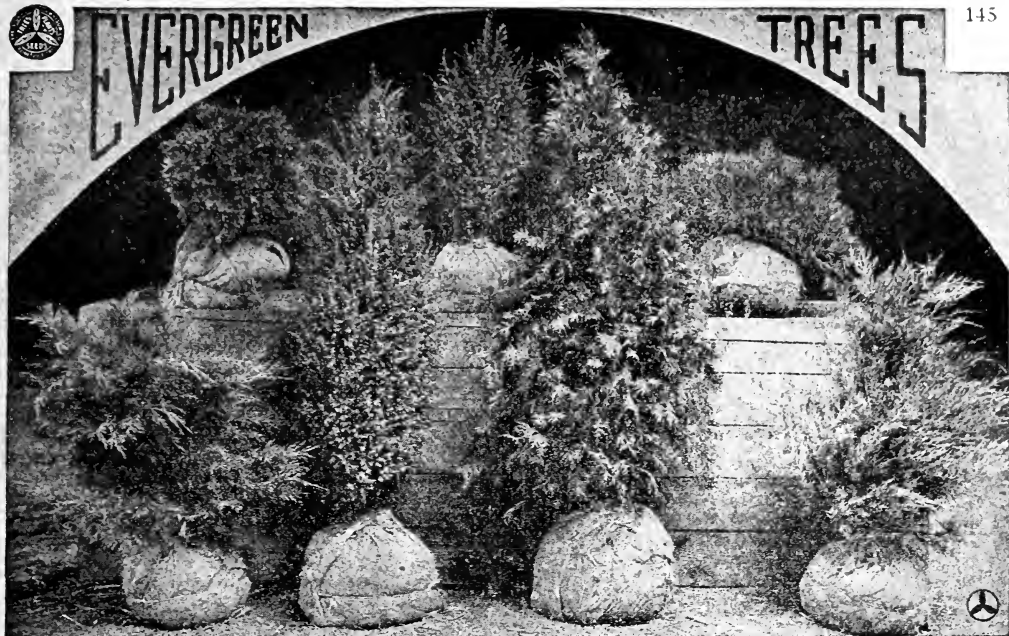
The Wisconsin Weeping Willow



EVERGREEN

TREES

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TOP ROW:—A. V. Compacta, Dwarf Swedish Juniper, Retinispora Crippsi, Mugho Dwarf Pine.
BOTTOM:—J. Pfitzeriana, Irish Juniper, American A. V., Juniper Va. Glauca.

Our Evergreens are all carefully grown, at good distances for symmetrical development, are root and top-pruned into handsome, shapely specimens that will transplant successfully to new homes with ordinary care.

Planting season for spring from April 10 to May 15, for fall from about August 15 to October 10, depending on season and locality. We have selected specimens in many varieties on which we would be glad to quote prices on receipt of list, stating kinds, sizes and numbers wanted.

All Evergreen Trees (except mail size) **will be carefully dug with ball of earth** about the roots and tightly sewed in burlap and will stand transportation and transplanting with little risk of loss. In planting it is not necessary to remove the burlap. Place tree in properly prepared hole, cut burlap in several places, firm earth tightly about ball of roots, water, and mulch. The "**Mail Size**" Evergreens are quite small, lifted without ball, packed in moist root-wrappings, and their weight when so packed for shipment by mail, not excessive.

ARBOR VITÆ (Thuya)

American. (White Cedar.) Erect, pyramidal habit with soft bright green foliage, dense from ground up; grows rapidly and soon forms a most beautiful tree. Like other types of Arbor vitæ, the American can be trimmed at will, or even closely sheared when sufficiently developed. Mail size, 35 cts.; 5 for \$1.25.

	Each	Per 10	Per 100
1½ to 2 feet.....	\$1.75	\$16.50	\$150.00
2 to 3 feet.....	2.75	25.00	225.00
3 to 4 feet.....	3.75	35.00	.....
4 to 5 feet.....	5.50	.....	.....
5 to 6 feet.....	8.00	.....	.....
6 to 7 feet.....	10.00	.....	.....
7 to 8 feet.....	14.00	.....	.....

Compacta. (Parsons.) Dwarf, dense little trees with light green foliage, neat and attractive. Useful for beds, borders, cemeteries or low growing hedges. Mail size, 60 cts.; 3 for \$1.50.

	Each	Per 10
15 to 18 inches.....	\$3.00	.....
18 to 24 inches.....	4.50	.....

Douglas Golden. One of the hardiest of all golden evergreens. Broad and bushy growth with long slender branches and bright yellow foliage. Mail size, 60 cts. each; 3 for \$1.50.

1½ to 2 feet, \$3.50. 2 to 3 feet, \$5.00.

Ellwangeriana. A low, broad pyramid with slender branches; foliage intermediate in texture between *Ericoides* and *American*. Mail size, 60 cts.; 3 for \$1.50.

	Each	Per 10
15 to 18 inches.....	\$1.75	\$15.00
18 to 24 inches.....	2.50	22.50

Ericoides. (Heath-Leaved Arbor Vitæ.) A very pretty dense little shrub of the Tom Thumb type. 12 to 15 inches, \$1.40 each; 10 for \$12.50. 15 to 18 inches, \$1.75; 10 for \$15.00. Mail size, 40 cts.; 3 for \$1.00.

Globosa. Forms a dense, low globe; handsome shade of green. Mail size, 60 cts.; 3 for \$1.50. Each 15 to 18 inches..... \$3.00 18 to 24 inches..... 4.50

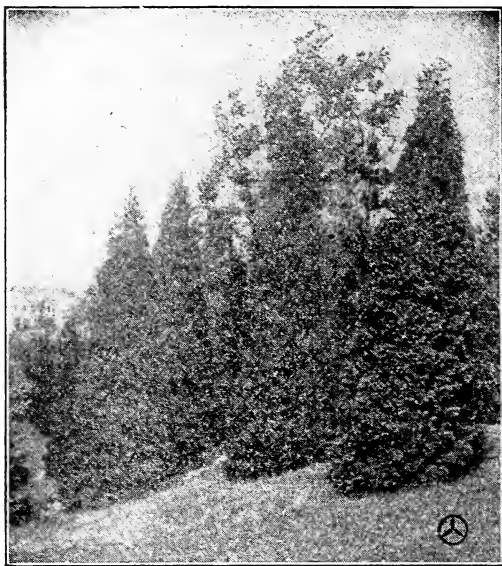
Hovey's Golden. A small, hardy tree, elliptical in form and very compact. Foliage light green with a golden tinge, very distinct, bright and pleasing shade. Mail size, 60 cts.; 3 for \$1.50. 1½ to 2 feet, \$2.50. 2 to 3 feet, \$3.75.

Lutea. (George Peabody.) A beautiful variety, the gold marking diffusing itself more deeply into the foliage than in any other variety of tall Evergreen. 1½ to 2 feet, \$3.00. 2 to 3 feet, \$4.50.

Oriental. A comparatively low, broadly pyramidal tree, native of Asia. Its color is a refreshing yellowish green similar to Hovey's, although dulling to bronzy green in winter. Mail size, 60 cts.; 3 for \$1.50. 2 to 3 feet, \$4.00. 3 to 4 feet, \$5.00.

Pyramidalis. Most compact and erect of the entire species, in form almost a counterpart of the Irish Juniper. Foliage a deep green, retaining color. 2 to 3 feet, \$3.25 each; \$30.00 per 10. 3 to 4 feet, \$4.50 each; \$42.50 per 10. Mail size, 60 cts.; 3 for \$1.50.

Vervaeana. Erect habit and form like the *American*, with golden variegated foliage. Mail size, 75 cts.; 3 for \$2.00. 2 to 3 feet, \$3.50.



Pyramidal Arbor Vitae—Page 145

ARBOR VITÆ (Continued)

Siberian. A superb variety, somewhat similar to American, with heavier and fuller foliage and more compact habit. It holds its color during winter and bears trimming well; one of the hardiest. Mail size, 60 cts.; 3 for \$1.50.

	Each	Per 10
1½ to 2 feet.....	\$2.75	\$25.00
2 to 3 feet.....	4.00	35.00
3 to 4 feet.....	6.00	.....

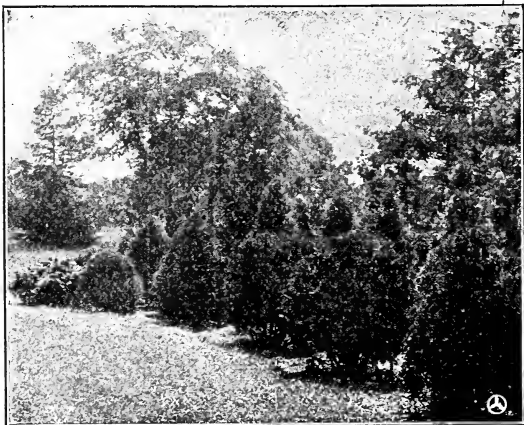
Tom Thumb. Small, compact, with feathery foliage; fine for low hedges, foundations, or cemetery lot. Mail size, 40 cts. each; 3 for \$1.00.

	Each	Per 10
12 to 15 inches.....	\$1.75	\$15.00
15 to 18 inches.....	2.00	17.50
18 to 24 inches.....	3.00	.....

BOX (Buxus)

Tree. Familiar in old-fashioned gardens, indispensable in formal ones. It grows well in many soils and endures much pruning. Mail size, 30 cts.; \$2.50 for 10; \$15.00 per 100.

10 to 12 inches, bushy, 60 cts. each; \$5.00 per 10; \$40.00 per 100.



A group of shaped Siberian A. V.

FIR (Abies)

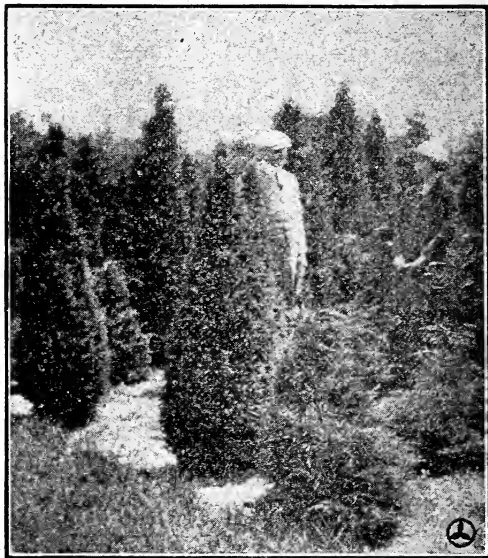
Balsam. (American Silver.) A very regular, symmetrical tree, assuming the conical form even when young; leaves dark green above, silvery beneath. Mail size, 60 cts.; 3 for \$1.50.

2 to 3 feet, \$3.00 each; \$27.50 per 10.

3 to 4 feet, \$4.00.

Concolor. (White Fir.) A picturesque Colorado species; long, leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches arranged in horizontal whorls. Mail size, 75 cts. each; 3 for \$2.00. 1½ to 2 ft., \$3.00. 2 to 2½ ft., \$4.

JUNIPER (Juniperus)



English and Chinese Junipers

Chinensis. (Chinese Juniper.) One of the most ornamental Junipers for the lawn or garden. Pyramidal or columnar outline, foliage of a pleasing grayish green color when fresh, maturing to real dark green. Adaptable to extremes of temperature and association with varying sorts. 2 to 3 feet, \$5.00. 3 to 4 feet, \$6.00.

English. Makes a dense pyramidal specimen; foliage, grayish green. 2 to 3 feet, \$3.00. 3 to 4 feet, \$4.00.

Excelsa. (Greek Juniper.) Compact pyramidal grower, making tall handsome specimens. 2 to 3 feet, \$3.00. 3 to 4 feet, \$4.00.

Irish. Erect, slender and formal in habit; foliage sage green, very compact; making a splendid column, sometimes 15 to 20 feet high; much used in cemeteries.

	Each	Per 10
1½ to 2 feet.....	\$1.75	\$15.00
2 to 3 feet.....	2.50	22.50
3 to 4 feet.....	3.50	.....

Japan Golden. Of moderate growth and spreading habit, the bronze-gold foliage constant throughout summer. 12 to 15 inches, \$2.50. 15 to 18 in., \$3.50.

Pfitzeriana. The branches progress spirally along the trunk at a 45 degree angle, thereby making a good "filler," or standing alone, it acquires the symmetry of a broken column. The branches are long and whip-like, densely furnished, very dark green; the first new growth thickly studding the expanse like silver beads. Mail size, \$1.00; 3 for \$2.50. 1½ to 2 feet, \$3.00; 10 for \$27.50. 2 to 3 feet, \$5.00.

JUNIPER (Continued)

Savin. Handsome moss green foliage; adapted to use as a filler in Evergreen groups, its main branches protruding from the crown at a 45° angle; or as a dwarf ground cover, grouped together 30 to 36 inches apart. Mail size, 75 cts.; 3 for \$2.00. 18 to 24 inches, \$2.75; 10 for \$25.00.

Sabina Prostrata. (Creeping Juniper.) Valuable for ground covering in exposed sandy or rocky location. Usually low, with long trailing branches and numerous short, upright branchlets; a bright steel blue. 1½ to 2 feet spread, \$3.50.

Swedish. (J. Suecica.) Tall growing, of formal, columnar habit. The foliage is dense, fairly broad, with drooping tips; in color glaucous green somewhat lighter and bluer than the Irish Juniper. 3 to 4 feet, \$4.00.

Dwarf Swedish. (Suecica Nana.) Dwarf, compact, semi-pyramidal habit of growth; foliage light green, not changing in winter. 1½ to 2 feet, \$2.50; 10 for \$22.50. 2 to 3 feet, \$3.00 each.

Tamariscifolia. (Tamarix-leaved.) A beautiful trailing form of Savin, with bluish green foliage. The construction is dense and very fine like the tamarix foliage, especially attractive when showing new growth. 15 to 18 inches spread, \$3.50.

Virginiana Cannarti. A newly derived type resembling Schotti in leaf and character, midway in color between the pronounced yellowish green of that variety, and the darkness of Virginiana. 2 to 3 feet, \$5.00. 3 to 4 feet, \$6.00.



Mugho Pine

Virginiana Glauca. (Blue Va. Cedar.) Its broadly conical form and beautiful glaucous blue foliage make it one of the choicest of all Junipers. 2 to 2½ feet, \$4.00. 3 to 4 feet, \$6.00.

Virginiana Schotti. A dense columnar form of the Red Cedar with light yellowish green foliage. Hardy and beautiful. 2 to 3 feet, \$4.00. 3 to 4 feet, \$6.00.

Waukegan. A highly developed selection from *Sabina Prostrata*; ground-covering, closely compact. The beautiful silvery blue color assumes a rich purple hue with the first autumn frosts. 18 to 24 inch spread, \$3.00.

MAHONIA

Aquifolia. (Holly-leaved Ashberry.) A beautiful evergreen shrub, with smooth shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously throughout the year, assuming all shades of green, with flecks of red and bronze. Associates well with dwarf and medium shrubbery, of special value in shady locations. Mail size, 50 cts.; 5 for \$2.00.

PINE—Pines

Austrian. Broadbased, heavy needled, massive; darkest and richest green of the Pines, silhouetting to inky blackness against the sky-line. Quite densely and evenly branched, well furnished with attractive tufts of foliage. Mail size, 50 cts.; 3 for \$1.25.

Mugho. (Dwarf Pine.) Leaves short, stiff and formal, thickly distributed in tufts over the branches in a crowded way somewhat similar to Austrian, with an equal depth and richness of color; globular form. Mail size, 75 cts.; 3 for \$2.00. 12 to 15 inches, \$2.50. 15 to 18 inches, \$3.50.

Scotch. Quick, strong growth; valuable for protective screens; very hardy. As a rule it grows taller than Austrian, with softer needles, and shows a hint of reddish brown in its bark and forming cones. 1½ to 2 ft., \$2.00. Mail size, 60 cts. each; 3 for \$1.50.

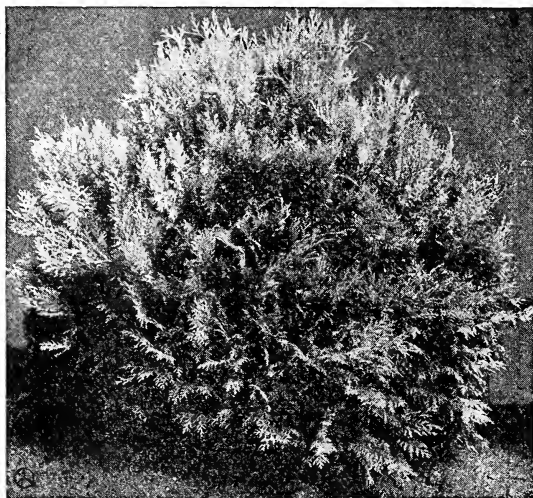
White. (Strobus.) A strong featured, picturesque, rapid growing tree; with abundant silvery-green foliage, in long swaying clumps of soft needles. Attains great height and spread with age.

(NOTE:—On account of Federal Quarantine No. 26, White Pines cannot be shipped to any point west of Minnesota, Iowa, Missouri, Arkansas and Louisiana.)

Mail size, 40 cts.; 3 for \$1.00.

	Each	Per 10
2 to 3 feet.....	\$2.00	.....
3 to 4 feet.....	3.00	\$27.50
4 to 5 feet.....	4.00	37.50





Retinispora Pisifera Aurea

RETINISPORA

Filifera. The leading shoot grows upright, the branches are nearly horizontal, with long, drooping, tasseled ends. Pyramidal in outline; bright green. $1\frac{1}{2}$ to 2 feet, \$3.00.

Obtusa Crippsii. A beautiful golden form of Japan Cypress, carrying its bright golden color well through the season. $1\frac{1}{2}$ to 2 feet, \$3.00.

Obtusa Nana Compacta. One of the finest of the family in showy arrangements of foliage, very dwarf, dense, slow-growing habit, and great depth of color. 8 to 12 inches, \$3.50.

Obtusa Youngi. Very graceful, feathery, golden foliage, on loose branches. $1\frac{1}{2}$ to 2 feet, \$3.00. 2 to 3 feet, \$4.50.

Pisifera. Open and tall in growth, with erect branches pendulous at tips; foliage feathery, light green, glaucous beneath. $1\frac{1}{2}$ to 2 ft., \$3.50. 2 to 3 ft., \$4.

Pisifera Aurea. A bright golden evergreen, that holds its color; foliage light and airy. Fine for groups or specimens. Although tall growing, its habit runs to bushiness; an ideal type for corners, against dark brick. 2 to $2\frac{1}{2}$ feet, \$3.50.

Plumosa. An exceedingly handsome, acorn-shaped evergreen of medium tall growth, from Japan, with feathery, light green foliage. $1\frac{1}{2}$ to 2 feet; \$2.50. 2 to 3 feet, \$3.50. Mail size, 50 cts. each; 3 for \$1.25.

Plumosa Aurea. Like the preceding, a plant of great beauty; foliage soft plume-like, of a golden yellow color; close and compact habit. $1\frac{1}{2}$ to 2 feet, \$2.50. 2 to 3 feet, \$3.50. Mail size, 50 cts. each; 3 for \$1.25.

Squarrosa Veitchii. Dense growth; soft beautiful silvery blue foliage, arranged in spirals which gives the impression of boiling over. Shows to best advantage close against dark greens. Mail size, 75 cts.; 3 for \$2.00. $1\frac{1}{2}$ to 2 feet, \$2.50.

SPRUCE—(Picea)

Colorado (Pungens). The origin of the famous Blue Spruce. A vigorous grower and hardy, making fine specimens in a broad based, sharply defined pyramid form; foliage rigidly angular with sharp needles very densely set. *Light green color.* 2 to 3 feet, \$3.50. 3 to 4 feet, \$4.50.

Colorado Blue (Pungens Glauca). A selected blue shade, from foregoing. This is one of the showiest and most impressive evergreens, surpassed only by the grafted Koster's Blue Spruce—which is temporarily unobtainable. Mail size, \$1.50 each.

Douglassi. From the mountains of Colorado. A rapid grower, foliage somewhat resembles Hemlock, leaves light green above, glaucous below. Conical form, branches spreading, light and graceful. $1\frac{1}{2}$ to 2 feet, \$3.00. Mail size, 75 cts.; 3 for \$2.00.

Engelmanni. Makes fine symmetrical specimens. Under side of leaves light blue. 2 to 3 feet, \$5.00.

Hemlock. An elegant pyramidal tree with drooping branches and delicate, dark foliage. It is a beautiful lawn tree and makes a highly ornamental hedge. Mail size, 60 cts.; 3 for \$1.50. 2 to 3 feet, \$3.00.

Hemlock Diversifolia. A slow growing, much branched but very compact, dwarf tree, with a reddish tinge to dark green leaves. 15 to 18 inch, \$4.00 each.

Norway. A lofty, noble tree of open, pyramidal habit; exceedingly picturesque. Very popular and effective in evergreen groups, and one of the best evergreens for hedges.

Mail size, 30 cts.; 10 for \$2.50.	Each	Per 10
2 to 3 feet.....	\$2.00	\$17.50
3 to 4 feet.....	2.75	25.00

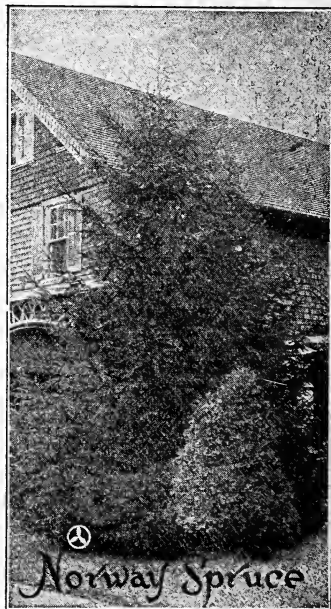
YEW—Taxus

Choice, dwarf evergreens, densely clothed with small, blackish green leaves. Slow-growing.

Cuspidata Brevifolia. A handsome Japan Yew, with short richly dark green leaves; dense bushy habit. Hardest of the Yews, and one of the best compact, dwarf evergreens for edging and foreground. 12 to 15 inches, \$3.50 each.



Hemlock Spruce



Norway Spruce

FRUIT TREE DEPARTMENT

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Filling Orders.

We are in position to fill orders for stock in this department as soon as this catalogue reaches you. If your order is accompanied by at least 25 per cent of full amount, we will at once assemble the fruit or other trees then in storage, and "**set aside**" under your name until the date set or weather conditions permit, for shipping. Naturally, stock not "in cellar" must await suitable digging weather.

QUOTATIONS. We will be pleased to quote prices on definite lists, to anyone desiring different sizes of stock in larger quantities than offered herein.

Shipments.

We have the largest frost-proof storage cellars in the business, which every winter harbor an immense amount of perfectly kept stock. We can load under their cover and on our private switch, car-load shipments at any time without danger of injury to stock. But less-car-load shipments must naturally wait the breaking of severe winter. No nursery provides better materials or greater care in packing than ours. Just as early as we can safely let them go, early delivery orders are rushed out; and we work hundreds of men day and night to avoid unnecessary delay for our customers.

BY FREIGHT OR EXPRESS. Every article not specially priced "Mail size" is priced for delivery by Freight or Express, packed free, but customer to pay transportation charges. All heavy trees in large quantities should be sent by freight if time is not too urgent, as the carrying charge is much less; and our perfect packing admits a long journey without injury to the trees. Strawberry plants, however, are perishable and must be delivered in quickest time possible. We never ship them by freight.

GOOSEBERRY, CURRANT and WHITE PINE QUARANTINE. Our customers **IN THE WEST** will please bear in mind that we are not allowed by the National Department of Agriculture to serve you in the matter of Currants, Gooseberries or Five-leaf Pines. Not that S. & H. stock is affected by "Blister Rust," but because Quarantine No. 26 arbitrarily excludes these articles from entrance into the territory west of Minnesota, Iowa, Missouri, Arkansas and Louisiana, in order to protect the great Pine forests of the west.

Terms. Net cash with order. No discounts allowed. In the various classes, we will furnish 5 or more of one variety and size at 10 rates; 25 or more (not less than 5 of one variety and size) at 100 rates. **REMEMBER THAT WE EMPLOY NO AGENTS,** and are responsible only for orders sent to us through the mail or delivered in person.

Non-Warranty.

While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

(Signed)

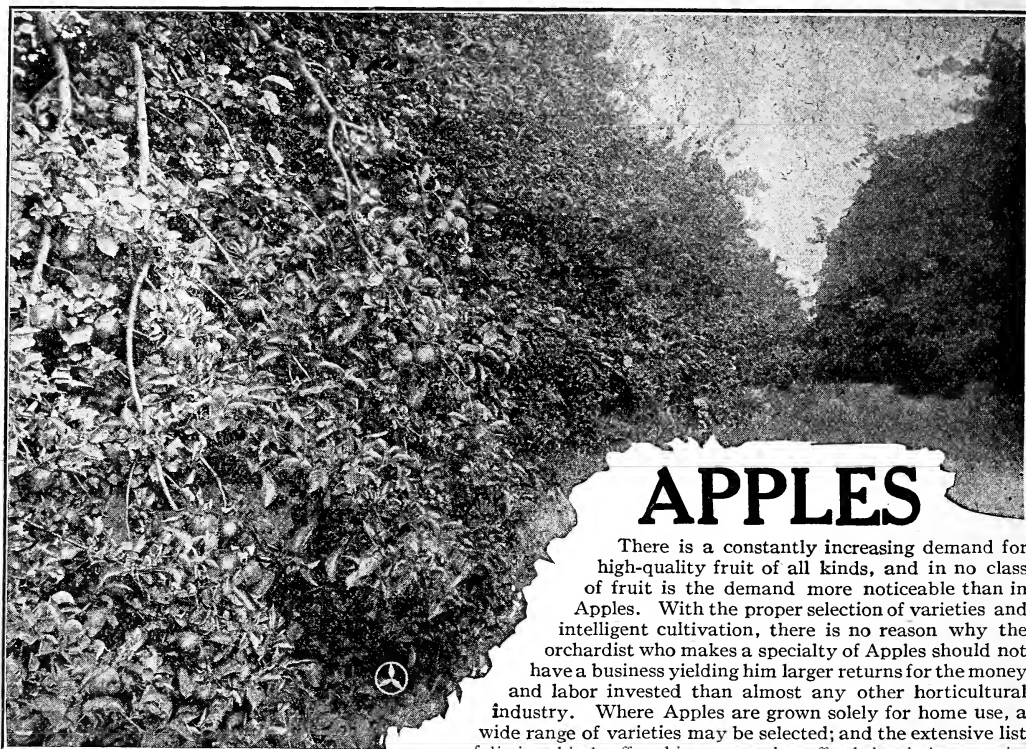
THE STORRS & HARRISON CO.

Our Guarantee.

All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee growth. Remember a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

THE STORRS & HARRISON CO., Painesville, Ohio.





APPLES

There is a constantly increasing demand for high-quality fruit of all kinds, and in no class of fruit is the demand more noticeable than in Apples. With the proper selection of varieties and intelligent cultivation, there is no reason why the orchardist who makes a specialty of Apples should not have a business yielding him larger returns for the money and labor invested than almost any other horticultural industry. Where Apples are grown solely for home use, a wide range of varieties may be selected; and the extensive list of distinct kinds offered in our catalog afford the choicest variety of ripening seasons. "PLAN TO PLANT ANOTHER TREE" is a recent advertised Nursery slogan. Many of the delightful experiences with Nature are but transitory; but the Orchard endures, and may be passed on with its fruitful blessings, to posterity. Set trees 32 to 40 feet apart.

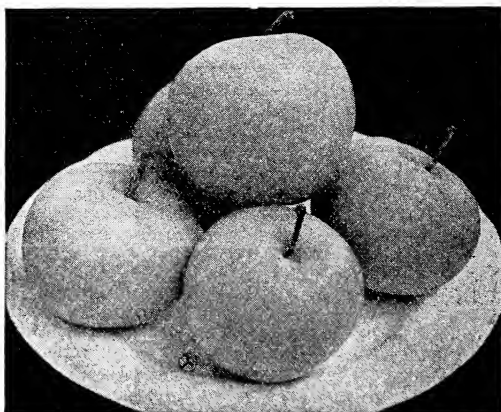
FILLERS. Most commercial orchards are now planted with standard varieties, 40 feet apart each way. Quick, upright growing, early maturing varieties are used as fillers, planting between standards to make 20 ft. apart; fillers to be removed when the standard trees require the room (12 to 18 years). This requires 28 standard and 82 fillers to the acre. **We recommend for fillers:**—Yellow Transparent, Duchesse of Oldenburg, Grimes Golden, McIntosh and Wealthy.

PRICE OF APPLES	Each	Per 10	Per 100
Standard Varieties, 5 to 7 ft.	\$0.75	\$6.50	\$ 50.00
“ “ 4 to 5 ft.	.65	5.00	40.00
“ “ 3 to 4 ft.	.40	3.50	3.00
Special Varieties —Baxter, Fameuse, King David, Liveland, McIntosh, No. Spy, N. W. Greening, Opalescent, R. I. Greening, Spitzenburg, Sweet Bough, and Tolman Sweet—			
5 to 7 feet.....	.85	7.00	60.00
4 to 5 feet.....	.75	6.50	50.00
3 to 4 feet.....	.45	4.00	35.00
Cortland—3 to 4 feet.....	1.25	11.00	
Red Canada—			
1 year, 5 to 6 feet.....	.60	5.50	
1 year, 4 to 6 feet.....	.50	4.50	
1 year, 4 to 5 feet.....	.40	3.50	
Crab Apples, 5 to 7 feet.....	.75	6.50	
“ “ 4 to 5 feet.....	.70	6.00	
Mail size (X) —50 cts. each; 3 for \$1.25 (Unless noted)			
Dwarf Apples —See list of varieties.....	.90	8.00	

*This sign indicates the Russian and hardier kinds. This sign (X) indicates we can furnish in Mail size.

SUMMER APPLES

Bough. Large, pale yellow; tender, sweet. (X)
Early Harvest. Medium, pale yellow, tender, juicy.
Golden Sweet. Large, pale yellow, very sweet.
Liveland Raspberry. Fruit good sized, clear, waxen white striped crimson; flesh snow white. Blooms late, is blight resistant, bears early, makes a good filler.
***Red Astrachan.** Large, beautiful deep crimson.
***Yellow Transparent.** Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young, and makes a profitable "filler." (X)



Yellow Transparent



AUTUMN APPLES

Autumn Strawberry. Tender, juicy, productive.

***Duchesse of Oldenburg.** Good size, yellow, streaked red, juicy, sub-acid, productive. (X)

Fall Pippin. Large, yellow, rich, aromatic.

Gravenstein. Large striped, fine quality, one of the best fall sorts.

Maiden Blush. Large, beautiful blush cheek. (X)

Munson Sweet. Good size, yellow, red cheek.

Rambo. Medium; yellow, streaked red. (X)

Western Beauty. Large, shaded bright red on pale yellow; crisp, tender, mild, sub-acid.

WINTER APPLES

Baldwin. Large, bright red, crisp, juicy, rich. (X)

Banana. Fine, vigorous grower, large healthy foliage, early bearer. Fruit medium to large, smooth and handsome, golden yellow usually shaded bright crimson; flesh fine grained, rich, sub-acid, aromatic, highest quality. One of the best dessert apples. (X)

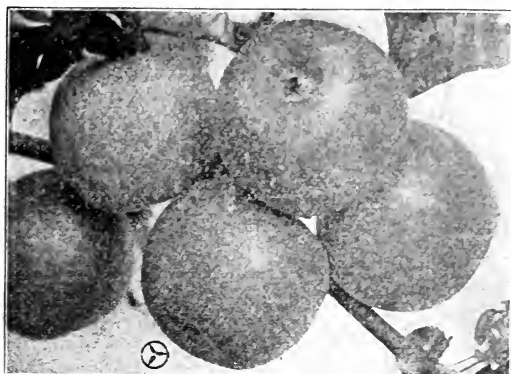
***Baxter.** A strong, vigorous grower, immensely productive, very hardy. Fruit uniformly large, handsome, showy red, mild acid, fine quality.

Ben Davis. Large, handsome, striped.

***Boiken.** Annual bearer, perfect foliage, vigorous grower. Fair size, yellow, tart acid, long keeper; at its best in spring when it is unexcelled for cooking.

Cortland. (See illustration on third page of cover.)

A derivation from McIntosh, adding distinct perfections to that already very perfect apple. The tree; hardy, thrifty, early producing and long lived. The fruits: abundant, large, round,



Jonathan

and handsome; attractive to the eye with their heavy overlay of shaded reds; and delightful to the taste with their brittle texture, luscious juiciness, and sprightly flavour. Better than McIntosh, because the fruits hang tenaciously to the tree; they are two to four weeks later, thus correspondingly extending their keeping period; and they better withstand the wear and tear of going to market. All-in-all, a remarkably fine second season cropper for commercial orchards, equally good for cooking or dessert. Mail size, \$1.00 each. (X)

Delicious. A remarkable recent novelty introduction, which has established its claim to first rank both for commercial and home orchards. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy, with a delightful aroma; of very highest quality. A splendid shipper, bearing annually. (X)

***Fameuse (Snow).** Medium, deep crimson, flesh white.

***Gano.** An improved Ben Davis, nearly covered red.

Gideon. Vigorous, early and prolific bearer. Medium golden yellow; fine juicy, sub-acid.

***Grimes.** Good size, yellow, of highest quality. (X)

Hubbardston. Large, red, striped, tender, juicy.

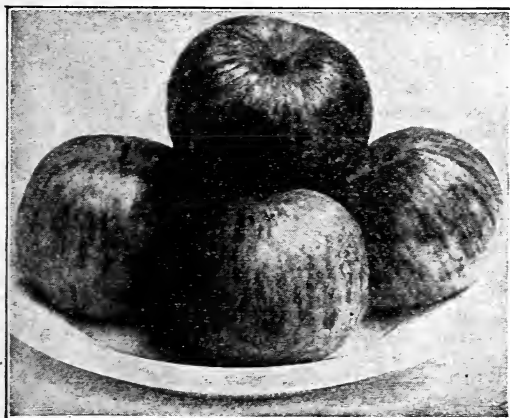
Jonathan. Medium; red, extra quality. (X)

King (of Tompkins County). Unusually large, red and striped, exceedingly productive.

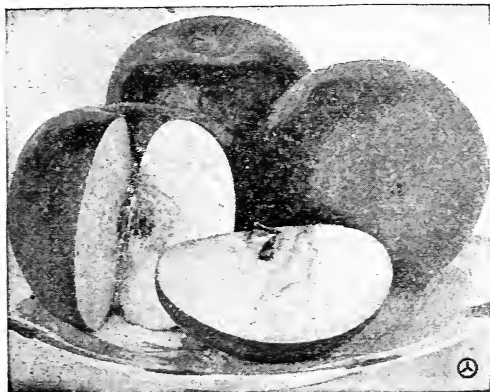
King David. An improved Jonathan, as to color and productiveness, not quite as good quality. Medium size, dark red, a splendid shipper and keeper. Tree hardy, strong grower, comes into bearing young.

***McIntosh.** Large, deep crimson, highest quality, juicy, sub-acid. Good for both culinary use and dessert. One of the best red winter apples. (X)

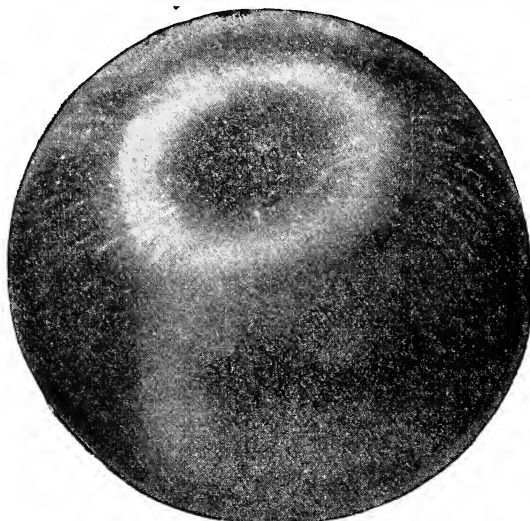
Northern Spy. Large, striped, mild sub-acid and tender, with a rich, delicious flavor. (X)



Duchesse of Oldenburg



McIntosh



Wagener

WINTER APPLES (Continued)

***Northwestern** (Greening). Hardy, yellow, rich, of good size; an extra long keeper, which makes it a stand-by to finish the winter for cooking purposes.

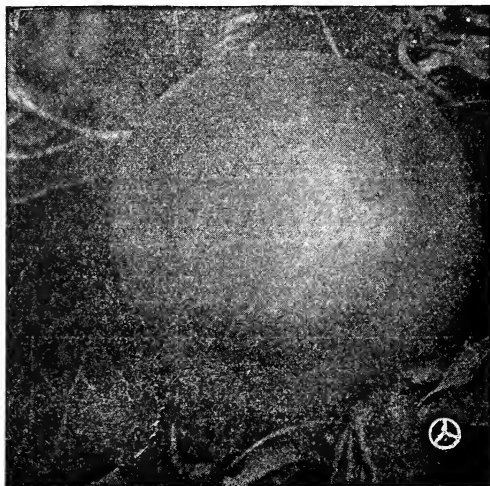
***Ontario**. Large, yellow, nearly covered with bright red, juicy, sub-acid.

Opalescent. Color light, shading to very dark crimson; skin smooth, susceptible of a very high polish, reflecting objects like a mirror; flesh yellowish, tender, juicy and good. Dec. to March.

Paradise Winter Sweet. Large; creamy, rosy cheeked.

Paragon (Mammoth Black Twig). Large, dark red, hardy and productive, vigorous grower.

Red Canada. (Steel's Red.) This old familiar sort is seldom offered owing to the difficulty in most sections of growing good trees in the Nursery. We have succeeded in having grown for this year, a beautiful lot of extra fine one year old trees. A red apple belonging to the same group as Baldwin and Spitzenburg. When well grown on gravelly or sandy soils, one of the best apples of its season, on account of its desirable size, attractive form and color, and superior quality.



Red Canada

Rhode Island Greening. Large, greenish yellow, tender, juicy, rich, acid. The old reliable Winter cooking apple, and also good for dessert. (X)

Rome Beauty. Large, yellow, shaded red; tender, juicy, sub-acid. A leader in Ohio River District. (X)

Spitzenburg. An old favorite, long a standard general utility sort; equally enjoyable as dessert, or in the various culinary usages. Medium to large, all-over bright red, faintly darker striped and dotted. Flesh tinged with yellow, sprightly sub-acid, juicy and aromatic.

Stark. Large, striped light and red, juicy, mild, sub-acid. An early and abundant bearer.

Stayman Winesap. Larger and more prolific than Winesap. One of the finest grown for appearance, flavor and juiciness; a favorite for cider. (X)

Tolman. Medium, yellow and red, rich, sweet. The most valuable apple for baking, and otherwise fine.

Wagener. Good size, deep red in the sun; flesh firm, sub-acid, excellent quality deserving more general appreciation and use. One of the earliest bearers, fruit often setting on trees still in the nursery rows.

***Wealthy**. Few varieties that are at once so hardy and so productive yield fruit of such good quality—white-fleshed, juicy and vinous; of medium size, smooth, round and deep red. Oct. to Jan. (X)

Winesap. Medium, deep red; firm, crisp, sub-acid.

DWARF APPLES



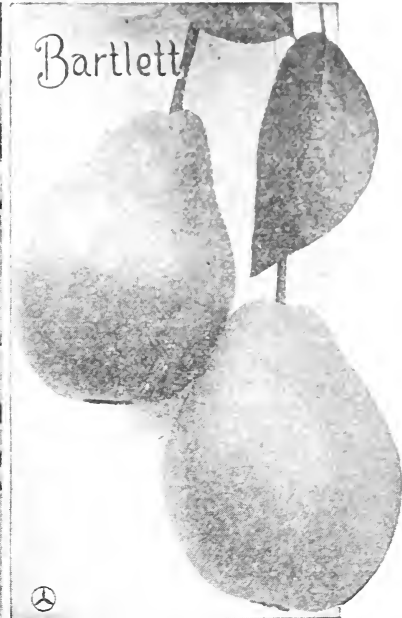
Set trees 8 to 10 feet apart. Very productive, usually commence bearing the second year after planting. Excellently adapted to yard and small gardens. Can furnish: Baldwin, Delicious, Maiden Blush, McIntosh, No. Spy, Red Astrachan and Wealthy—only.

CRAB APPLES

For preserving, jellies and ornament. All are unequalled for cider or vinegar. The trees are noted for their hardiness and vigor and usually bear the second season after planting.

Hyslop. Large; deep crimson; one of the most beautiful; very popular. Oct. to Jan. (X)

Whitney. One of the largest, glossy green, splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider. August.



PEARS

The Pear tree will grow on almost any good soil, but thrives best in a rather heavy clay or loam. Standards planted 18 to 20 feet apart, are best for permanent orchards; dwarfs at 10 feet intervals, for fruit gardens or small lots. Dwarfs must be planted deep enough to cover the junction of pear and quince 2 or 3 inches. This mark (X) indicates available mail size.

All can be supplied as **standards**, and all varieties starred (*) can also be supplied as **dwarf**.

PRICE OF PEARS

	Each	Per 10	Per 100
Standard—General List, 5 to 7 ft.	\$1.00	\$9.00	\$80.00
“ “ “ 4 to 5 ft.	.90	8.00	65.00
“ Rossney and Bosc,			
5 to 7 feet.	1.50	1.25	.....
“ 4 to 5 feet.	1.25	1.00	.....
“ Worden, 4 to 5 ft....	1.25	1.00	.....
“ Garber and Kieffer,			
5 to 7 feet. ....	.70	6.00	50.00
4 to 5 feet. ....	.60	5.00	40.00
Dwarf Pears, 4 to 5 feet. ....	.85	7.50	70.00
“ “ “ 3 to 4 feet. ....	.75	6.50	50.00

Mail size (X)—75 cts. each; 3 for \$2.00.

SUMMER PEARS

- ***Bartlett.** (See illustration in color on third page of cover.) Large, buttery, juicy, high-flavored, great bearer; very popular. Aug. and Sept. (X)
- ***Clapp.** Very large, yellow and dull red, with russet specks, melting, rich. August. (X)
- ***Tyson.** Medium, melting, juicy, good. Aug.
- ***Wilder.** Small to medium, yellow, shaded carmine, fine grained, tender, sub-acid. Vigorous grower. Early Aug.

AUTUMN PEARS

- ***Anjou.** Large, buttery, melting, rich, vinous. The best late fall and early winter variety. Oct. to Jan. (X)
- Clairgeau.** Its large size, early bearing, productiveness and great beauty make this one of the most valuable market sorts. Oct. and Nov.

***Duchesse** (of Angouleme). Very large, buttery, rich, juicy, excellent. The most popular market variety as a dwarf. Oct. and Nov. (X)

Flemish. Large, juicy, rich; one of the hardest and most popular. Sept. and Oct. (X)

Garber. A Japan Hybrid; earlier and larger than Kieffer; hardy, productive, early bearer. Sept. and Oct.

***Howell.** Large, yellow, with red cheek, rich, sweet, melting, early bearer, productive. Sept. and Oct.

***Kieffer.** Its large size, handsome appearance, and remarkable keeping and shipping qualities make it very profitable for market. Oct. and Nov.

***Louise.** (Louise Bonne de Jersey.) Good size, greenish yellow, with a bright red cheek. Sept.-Oct.

Rossney. Ripens about two weeks after Bartlett, averaging larger; creamy skin with crimson blush; flesh melting, juicy, sweet and tender, of superior flavor. A vigorous grower, and very productive.

***Seckel.** Small; skin rich yellowish brown when fully ripe, with deep brownish red cheek; flesh very fine grained, sweet, exceedingly juicy, melting, buttery; one of the highest flavored pears known; for dessert and pickling. Sept. and Oct. (X)

Sheldon. Medium size; yellow, with a richly shaded cheek; flesh a little coarse, melting, juicy, with a very brisk, vinous highly perfumed flavor. Oct.

***Vermont Beauty.** Tree hardy and vigorous, and abundant bearer. Fruit medium yellow with red cheek; rich, juicy, best quality. Oct.

***Worden.** A seedling of the Seckel, equal in quality, while in flavor, size, color, form and appearance it is decidedly superior. Hardy and an enormous bearer; fruit keeps well, retaining its quality to the last. Oct.

WINTER PEARS

Bosc. Vigorous trees; finest quality, extra large, long and tapering; russet; good shipper, brings highest market price. Nov.-Dec. (X)

***Drouard.** Large, melting, juicy, delicate perfume. Tree hardy and vigorous. Feb. to March.

Easter. Large, yellow with red cheek; fine quality.

***Lawrence.** Medium, yellow with brown dots, melting, pleasant, aromatic. Nov. and Dec.

PLUMS

THE market for plums is rarely over - stocked, and they bring good profitable returns.

Annual sprayings with Bordeaux mixture keep away the leaf blight and fungus, and the thinning of too heavy crops of fruit prevents fruit rot. Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for the fowls, while the chickens obligingly eat up the brood of insects which threaten the health of the tree.

Set trees 16 to 20 feet apart.



An inspiring springtime prospect

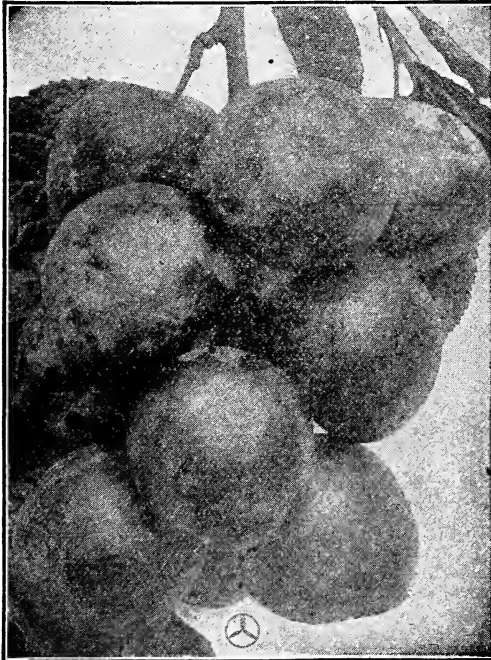
PRICE OF PLUMS

	Each	Per 10	Per 100
2 year—European and Japan, 5 to 7 ft...	\$0.85	\$7.50	\$65.00
4 to 5 ft...	.70	6.00	50.00
Prunus—Pissardi and Othello, 4 to 5 feet.....	1.00	9.00	.....
3 to 4 feet.....	.75	6.50	.....

Mail size (X), 75 cts.; 3 for \$2.00.

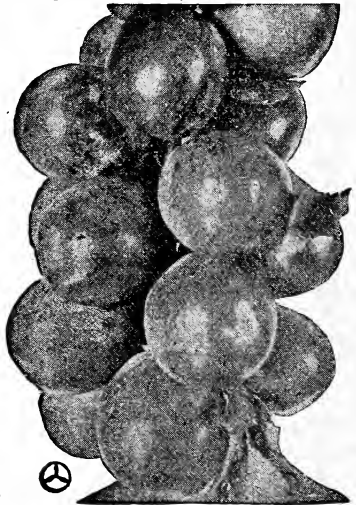
EUROPEAN PLUMS

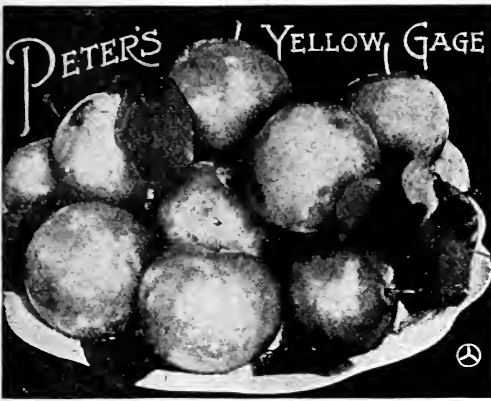
Archduke. Large, black, prolific. Early Oct.



Monarch

- Bavay's Green Gage.** ("Reine Claude.") Large, round-ovate; green, marked with red in the sun; hang long on the tree. One of the best. Late Sept. (X)
- Bradshaw.** Large dark red, flesh green, juicy, productive, fine for market. Aug. (X)
- Diamond.** One of the most attractive. Enormous size, dark purple with beautiful bloom. Tree vigorous, productive and hardy. Sept.
- German Prune.** Large, dark purple, sweet, good. One of the most popular for canning, because of its sweetness, Sept. (X).
- Grand Duke.** Color of Bradshaw; fruit very large, of fine quality, free from rot; very productive. Tree moderate grower. Last Sept.
- Gueil.** Large, bluish purple, flesh yellowish green; rather coarse; sweet, pleasant. Sept.
- Imperial Gage.** Large pale green, juicy, sweet, rich and excellent. Aug.
- Italian Prune.** (Fellenberg.) Good size, purple, juicy, delicious, fine for drying. Sept.
- Lombard.** Medium, violet red, juicy, good, hardy and exceedingly productive; probably the leading market variety, extensively used for pies. Aug. (X)
- Lombard**
- Monarch.** Tree robust, dense foliage, and abundant bearer. Fruit very large, roundish, oval, dark purplish blue, perfect freestone. Follows Grand Duke in ripening. Oct. (X).





EUROPEAN PLUMS (Continued)

Moore's Arctic. Small, purplish-black, juicy, sweet; immense bearer; one of the hardiest in bud and bloom. Sept.

Peters Yellow Gage. Large, oval, bright yellow; rich, juicy, fine quality. A good grower. Sept.

Pond. A magnificent plum, red, changing to violet. Sept.

Shippers' Pride. Large, dark purple, very showy, often measuring 2 inches in diameter; fine, juicy and sweet. Sept.

Shropshire Damson. Medium, dark purple, very productive; one of the best for preserving. Oct. (X)

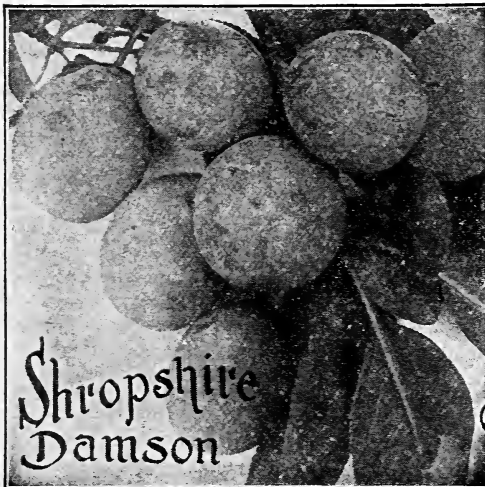
Yellow Egg. Very large, egg-shaped, productive, excellent for cooking. Aug. (X)

JAPAN or ORIENTAL PLUMS

The Japanese Plums are strong growing ornamental trees with light green foliage and attractive bloom, wonderfully productive and usually commence bearing the second or third year after planting. Fruit of nearly all varieties are large, fine quality, with firm, meaty flesh. They bloom very early; not adapted to sections subject to late spring frosts.

Abundance. (Botan.) One of the oldest and best varieties; hardy; productive. Fruit large, lemon yellow, with heavy bloom; good quality. Aug.

Burbank. Most profitable among growers for market; ripens 10 days after Abundance. Tree hardy



sprawling vigorous grower, unequaled in productive-ness; bears young. Fruit large, excellent quality; cherry red, with lilac bloom. Aug. (X)

Maynard. Sturdy, strong and very rapid grower, with heavy luxuriant foliage. Fruit is very large, nearly round, color deep, dull red, thin whitish bloom. Flesh firm, melting and juicy, rich and sweet, extra fine quality. Its shipping qualities are unsurpassed. Follows Climax in ripening.

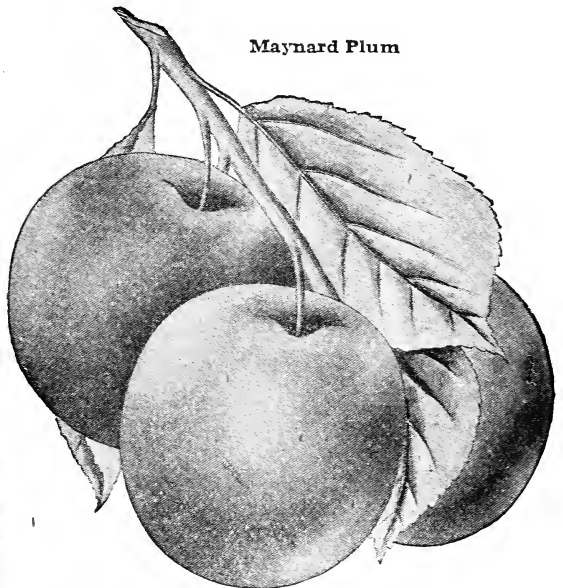
October Purple. A strong, vigorous grower, hardy, productive, of good quality; a large, round, late purple plum, especially recommended for late market.

Red June. One of the vigorous, upright growers; productive; fair size, vermilion red; pleasant quality. Ripens a week before Abundance. Aug.

Santa Rosa. Tree a strong, vigorous, upright grower. Fruit uniformly large, deep purplish crimson with blue bloom; flesh purple shaded scarlet; pit small; the eating quality is rich, fragrant, delicious; early.

Satsuma. (Blood.) Large, globular, with sharp point. Color, purple and red with blue bloom, flesh firm, juicy, dark red or blood color, fine quality; pit very small. Hardy and vigorous grower. Aug.

Wickson. Fruit remarkably handsome, very large, long heart-shaped, color deep maroon red covered with white bloom; flesh firm and meaty, yellow, rich and aromatic; cling; pit small. Tree an upright vigorous grower. Excellent keeper and shipper, planted largely for market. Early Sept.



MISCELLANEOUS PLUMS

Othello. Tree is an upright grower, and a prolific bearer; fruit deep crimson, about one inch in diameter, ripening before the very earliest of ordinary plums. The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

Prunus Pissardi. A small sized tree with very rich purple leaves, carrying their color throughout the season. Although highly ornamental with its valued purple foliage, and profusion of white spring bloom, its fruit is valueless. (X). Further described under Shrubs.

Wild Goose. A very hardy and reliable native variety. It bears delightfully juicy and sweet fruit in July; medium size, red with blue bloom. In some rigorous climates, none but the native type will survive.



THIRTY orchards of virile, well-grown Peach trees have done much to bring wealth to many a farmer in the great Peach belts of Ohio and Michigan; and serve as living memorials to the virility, health and quality of the nursery stock sent out by "The Painesville Nurseries." Our nurseries have been the main source of supply during half a century, for hundreds of the finest Peach Orchards in the country. Aside from

the established policy of propagation, care and cultivation, the location of our propagating fields, close to and overlooking the health-giving waters of Lake Erie, and far removed from old orchards which might spread infection, probably has much to do with the unbounded success and popularity of our salable trees.

Trees are all grown from Tennessee natural pits, free from insects, perfectly healthy, well ripened wood, with splendid

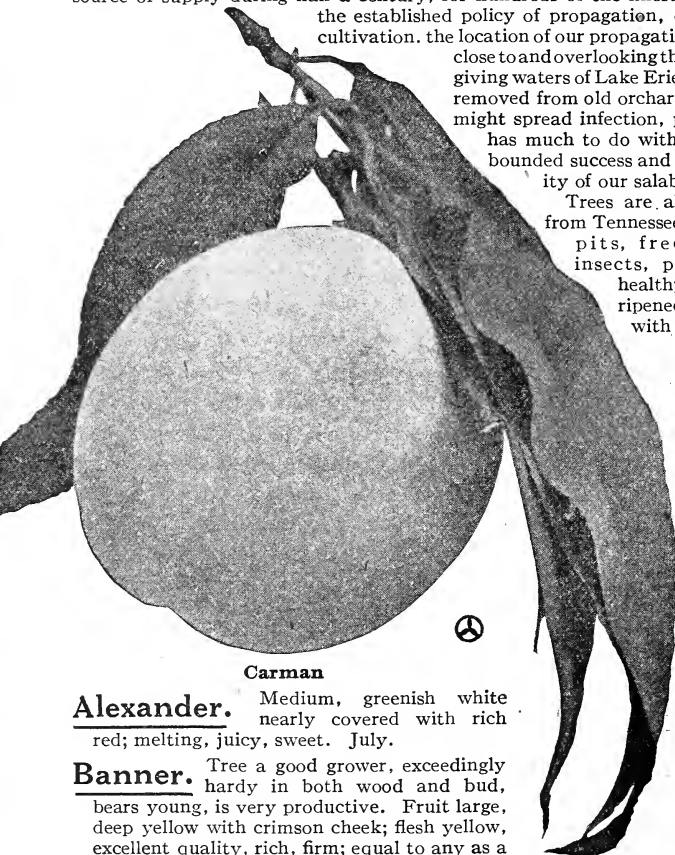
roots, all stored in frost-proof cellars beyond injury during the winter. Set trees 16 to 18 feet apart.



Early Elberta on the job

Price of Peaches	Each	Per 10	Per 100
4 to 5 feet.....	\$0.45	\$3.50	\$30.00
3 to 4 feet.....	.40	3.00	25.00
2 to 3 feet.....	.30	2.00	16.00

Mail size—All varieties listed—45 cts.; 5 for \$2.00.



Carman

Alexander. Medium, greenish white nearly covered with rich red; melting, juicy, sweet. July.

Banner. Tree a good grower, exceedingly hardy in both wood and bud, bears young, is very productive. Fruit large, deep yellow with crimson cheek; flesh yellow, excellent quality, rich, firm; equal to any as a keeper and shipper. A profitable late market variety. Late Sept.

Barnard. Medium, yellow, juicy and rich. Hardy and productive. Early Sept.

Beers. A large, yellow flesh peach, an improvement on Smock Free, which it resembles. Ripens a few days later and is a better annual bearer. One of the most desirable and profitable market sorts, a favorite for late canning.

Belle. (Belle of Georgia.) Very large; skin white with red cheek; flesh white, firm and of excellent flavor. Tree a rapid grower, very prolific. Ripens with Crawford's Early.

Carman. Large, resembles Elberta in shape; color, creamy white or pale yellow with deep blush, skin very tough, flesh tender, fine flavor, quite juicy. August.

Capt. Ede. A handsome, large yellow peach of excellent quality; hardy in bud and blossom. Early Sept.

Champion. Large variety, creamy white, red cheek, sweet, rich and juicy. Hardy and productive. August.

Chinese Cling. Large, white, shaded red. August.

Crosby. One of the hardiest; abundant, medium, bright yellow, fine quality. Middle Sept.

Dewey. Hardy, productive, earliest and best yellow freestone. July.

Early Crawford. A magnificent yellow. Early Sept.

Early Elberta. Ripens about a week earlier than Elberta; otherwise the same, or a trifle better quality.

Elberta. Large, yellow, with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. The leading market variety. Follows Early Crawford.

Engle. Large, yellow; resembles Late Crawford but more productive. September.

Fitzgerald. Fruit large; bright yellow, suffused with red; flesh deep yellow, best quality. September.

Gold Drop. Medium size, hardy, very productive. good quality, early bearer. Last September.

Greensboro. Double the size of Alexander, ripening at the same time. Flesh white, juicy and good. July.

Heath Cling. Very large, flesh white, juicy and melting. Good keeper and shipper. One of the prime favorites among clingstones. October.

Hill's Chili. Medium dull yellow. Extra hardy and productive. Last Sept.

J. H. Hale. Probably no new peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden-yellow, with deep carmine blush.

Kalamazoo. A leading market sort. Large, yellow, fine quality. Productive and profitable. Early Sept.

Late Crawford. A superb, large, yellow peach. One of the best. Late September.

Lemon Cling. Large, pale yellow, dark red cheek, hardy and productive. September.

Lemon Free. Lemon-shaped and colored, large size, immensely productive, excellent quality. One of, if not the best, for canning. September.

Mayflower. Bright red cheeked. Carries to market in fine shape and sells well, as it is the only early peach that is well colored. Inclined to overbear, it should always be thinned. July.

Mountain Rose. Large, red, flesh white, juicy, excellent; one of the best. August.

Niagara. A very large, yellow peach, ripening between Crawford and Elberta; surpassing both in size, color, quality and vigor.

Old Mixon Free. Large, pale yellow, deep red cheek, white flesh, tender, rich, good. September.

Prolific. Large, attractive, firm, flesh yellow, fine flavor; hardy, productive. September.

Rochester. (See illustration on 3rd cover.) A quite early yellow freestone (ripening about August 10), with extraordinary sweetness and quick bearing. Fruit is large, yellow, sweet, juicy and of delicious flavor; keeping and shipping well; skin prettily blushed. Tree is strong growing and hardy, an annual and prolific cropper.

Salberta. A highly successful cross between Salway and Elberta, conserving the size, quality and productiveness of Elberta for the more profitable later picking due to Salway's influence. Two to three weeks later than Elberta, richly yellow and succulent, it is bound to briskly rival the Smock for market supremacy during the latter's well established season.

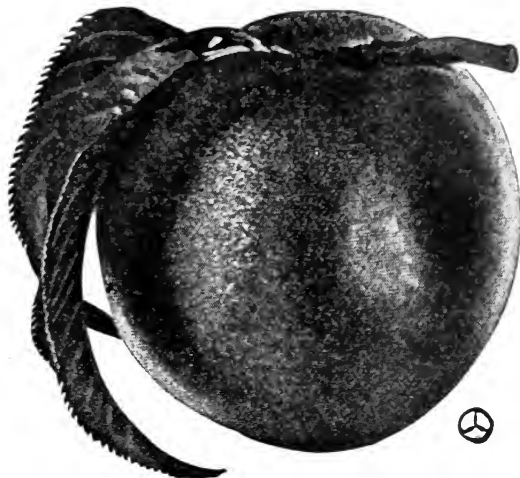
Salway. Large, creamy yellow, red cheek, flesh deep yellow, juicy, rich, sweet. October.

St. John. Nearly as large as Crawford, fully equal in color. Fruit round, brilliant, showy; one of the earliest yellow peaches. August.

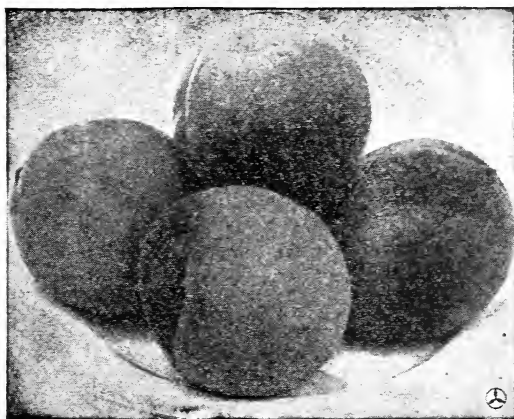
Stearns. A perfect freestone, with yellow flesh and brilliant red skin. As a shipper it cannot be surpassed. Tree is a strong, upright grower, extremely hardy, free from disease. Follows Elberta.

Stump. Large, white, bright red cheek. End of Sept.

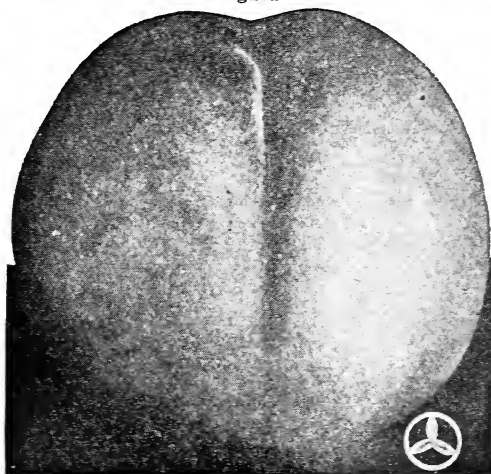
Williams. Large, handsome, hardy, very productive, excellent shipper. One of the most profitable clingstones. Mid. September.



The J. H. Hale Peach

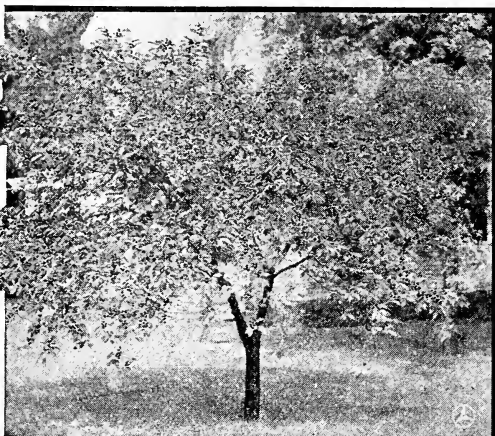


Niagara



Stearns

Wilma. The fruit is large as Elberta (its parent), not quite so elongated; color very much better, and ripens about ten days later. Its more attractive color outsells Elberta when side-by-side on the market.



A Young "Early Richmond" in Fruit

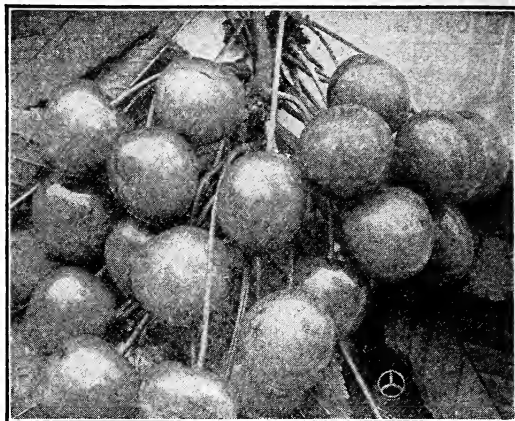
CHERRIES

Naturally hardy, succeeding best on sandy or gravelly loam, well drained. Avoid low or wet ground. **Sweet** varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 feet apart. The **Sour** varieties are dwarf and bushy, bear earlier; are more largely planted. Set trees 15 to 18 feet apart.

PRICE OF CHERRIES		Each	Per 10	Per 100
Sweet,	5 to 7 feet.....	\$1.00	\$9.00	\$80.00
"	4 to 5 feet.....	.90	8.00	70.00
Sour,	4 to 5 feet.....	.90	8.00	65.00
"	3 to 4 feet.....	.75	6.00	50.00

Mail size (X)—Sweet—90 cts.; 3 for \$2.50.

Mail size (X)—Sour—75 cts.; 3 for \$2.00.



Napoleon

SWEET CHERRIES

You will note in the descriptions that these come in three distinct colors—red, black, and yellow—and cover two months in their fruiting seasons.

Bing. Very large, dark brown—almost black; flesh firm, sweet, rich and delicious. One of the most profitable sorts. July.

Black Tartarian. Very large, black, juicy. Last of June. (X)

Gov. Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June.

Lambert. Jet black when fully ripe. Flesh firm solid, rich and juicy. Tree rugged, strong grower, hardy, enormous bearer. Late July. (X)

Napoleon. Large, pale yellow or red; firm, juicy, sweet and productive. July. (X)

Schmidt. Immense size, deep black, flesh dark, tender, very juicy, fine flavor; productive. July.

Windsor. Fruit large, liver-colored, distinct, flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July.

Yellow Spanish. Large, yellow and red. June.

SOUR CHERRIES

Baldwin. Large, round, slightly sub-acid, sweetest and richest of the Morello type. June.

Dyehouse. A sure bearer, largely planted for early market; ripening a week before Early Richmond, which it closely resembles. June. (X)

Early Richmond. A dependable variety which seldom misses a crop. Medium, dark red, melting, juicy, sprightly, rich acid, best. Late June. (X)

English Morello. Fair size, blackish red, rich acid, juicy, good. This is a favorite variety for late canning. August. (X)

Hortense (Reine Hortense). Large, bright red, juicy; mildest, sweetest in this class. July.

Large Montmorency. Large, red, productive, ten days later than Early Richmond. July. (X). (See illustration in color on third page of cover.)

Late Duke. Large, light red, delicious fruits. Tree strong and upright, very productive. July. (X)

May Duke. Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth.

Montmorency Ordinaire. Large, red, acid, exceedingly productive. Late June.

Wragg. Very hardy, vigorous and productive, medium, dark purple, fine quality. Aug.



Superb Apricot

APRICOTS

Their fruit ripens between Cherries and Peaches. The trees, as hardy as the Peach, should be planted on a northern or western exposure to prevent early blooming. They need the same treatment for curculio as the Plum. Set trees 16 to 18 feet apart.

PRICE OF APRICOTS

	Each	Per 10
4 to 5 feet.....	\$0.80	\$7.00
3 to 4 feet.....	.65	5.00

Mail size (X), 50 cts.; 3 for \$1.25.

EUROPEAN VARIETIES

Early Golden. Small, pale orange, juicy and sweet.

Montgamet. Fruit large, round, early, deep yellow with a fine blush; flesh yellow, firm, juicy and excellent. Tree hardy, a good grower. (X)

Moorpark. Yellow, with red cheek, juicy, sweet and rich, freestone, very productive. (X)

Royal. Large, yellow, juicy, rich and delicious; a very fine variety.

RUSSIAN VARIETIES

These are quite distinct from the European varieties, hardier and will produce fruit when other apricots fail. Recommended where peaches cannot be grown.

Alexis. An early bearer, and very productive.

Superb. A hardy seedling from Kansas. The best flavored, most productive hardy apricot yet produced. Medium size, light salmon color. (X)

NECTARINES

The Nectarine has a smooth skin like the plum, and requires the same treatment for curculio. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is remindful of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

PRICE OF NECTARINES

	Each	Per 10
4 to 5 feet.....	\$0.85	\$7.50
3 to 4 feet.....	.75	6.50

Mail size (X), 60 cts., 3 for \$1.50.

Boston. Bright yellow, red cheek; flesh yellow. (X)

Red Roman. Greenish yellow, red cheek; flesh golden. (X)

MULBERRIES

Downing. Very large, black, handsome, sweet, rich, and excellent. (X)

New American. Equal to Downing in all respects, and a much hardier tree. Vigorous grower, very productive; the best variety for fruit; ripe from middle June to September. (X)

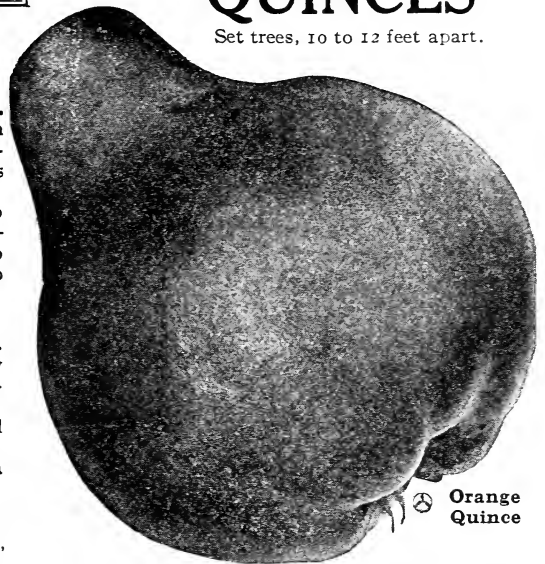
Russian. Very hardy, vigorous grower; valuable for feeding silk worms, for hedges, fences and waste food supply in poultry yards. Fruit of small size, varies in color from white to black. (X)

PRICE OF MULBERRIES

	Each	Per 10	Per 100
Russian, 4 to 6 feet.....	\$0.60	\$5.00	\$45.00
" 3 to 4 feet.....	.50	4.00	35.00
" 1 year, by mail (X).....		.65	2.00
" " by express.....			1.50
(\$12.60 per 1000.)			
New American, and Downing, 4 to 5 feet.....	1.00		
3 to 4 feet.....	.85		
1 year, by mail. (X).....	1.00		

QUINCES

Set trees, 10 to 12 feet apart.



Orange Quince

The Quince crop is usually reliable and not often destroyed by capricious weather variations. The fruits are highly regarded for preserving, for jelly, and above all for that delectable, golden composition, "Quince Honey." Both fruit and flowers are quite fragrant, and the trees and bloom highly ornamental.

PRICE OF QUINCES

	Each	Per 10	Per 100
4 to 5 feet.....	\$1.00	\$9.00	\$80.00
3 to 4 feet.....	.85	7.50	65.00

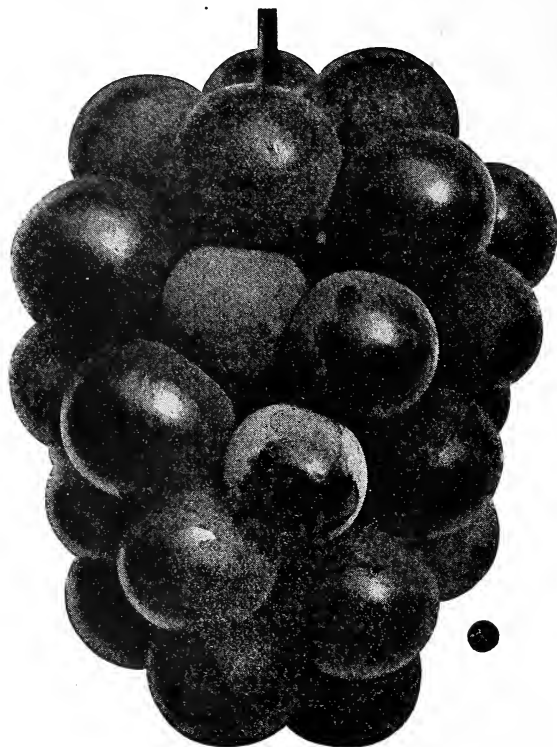
Mail size (X) 75 cts.; 3 for \$2.00.

Champion. A prolific, very young and constant bearer, fruit averaging larger than the Orange, more oval in shape; quality equally fine, and a long keeper. Ripens late. (X)

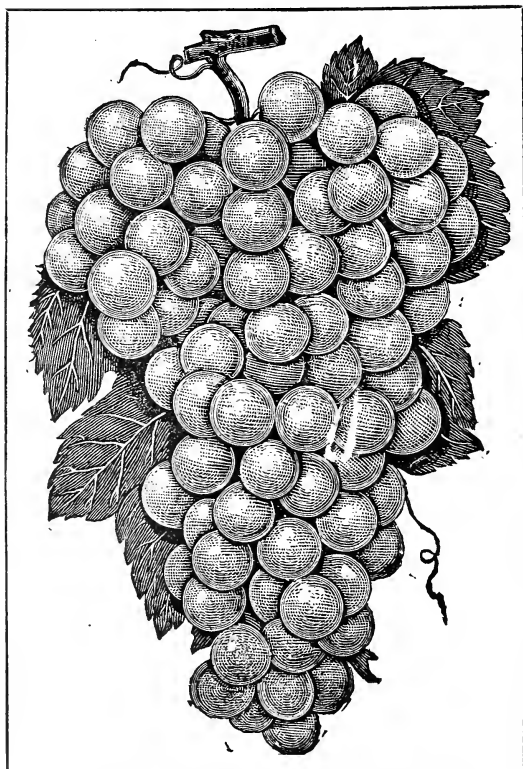
Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance; its cooking qualities are unsurpassed.

Orange. Fruit large, bright yellow, of excellent flavor. Oct. (X)

Rea. A seedling of the orange, averaging much larger, of the same form and color; productive.



King Grapes—See Page 161



Niagara Grapes—See page 161

GRAPE VINES

EVEN under unfavorable conditions the grape-vine will bear fruit, but good culture, pruning and spraying should be applied if the best quality of fruit is desired. No part of the fruit garden yields a richer harvest than the vineyard. Along almost any garden fence or walk there is room for vines enough to furnish luscious grapes from August to October. In such situations they may be planted about 8 feet apart. In vineyard rows set the vines 6 to 10 feet apart, with 8 feet of space between the rows. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. Paper bags slipped over the clusters as soon as they have formed are a good protection from fungus, insects, birds, etc.

We have splendidly rooted, first-class vines on hand; write for special prices on large lots.

PRICE OF GRAPE VINES

	Each	Per 10	Per 100
Agawam, 1 year.....	\$0.20	\$1.50	\$12.00
" 2 years.....	.25	2.00	16.00
Brighton, 1 year.....	.35	3.00	25.00
" 2 years.....	.45	4.00	35.00
Caco, 1 year.....	.70	6.00	.....
" 2 years.....	.85	7.50	.....
Campbell, 1 year.....	.35	3.00	20.00
" 2 years.....	.40	3.50	25.00
Catawba, 1 year.....	.25	2.00	15.00
" 2 years.....	.30	2.50	20.00
Concord, 1 year.....	.15	1.20	8.00
" (\$60.00 per 1000)			
" 2 years.....	.20	1.50	12.00
" (\$90.00 per 1000.)			
Delaware, 1 year.....	.35	3.00	.....
Diamond, 1 year.....	.20	1.80	15.00
" 2 years.....	.30	2.50	20.00
Green Mountain, 1 year.....	.50	.....	.....
" 2 years.....	.60	.....	.....
King, 1 year.....	.40	3.00	.....
" 2 years.....	.50	4.00	.....
Lindley, 1 year.....	.30	2.50	20.00
" 2 years.....	.35	3.00	25.00
Moore's Early, 1 year.....	.20	1.50	12.00
" 2 years.....	.25	2.00	15.00
Niagara, 1 year.....	.20	1.50	12.00
" 2 years.....	.25	2.00	15.00
Pocklington, 1 year.....	.30	2.50	20.00
" 2 years.....	.40	3.50	25.00
Regal, 1 year.....	.35	3.00	25.00
" 2 years.....	.40	3.50	30.00
Salem, 1 year.....	.25	2.00	15.00
" 2 years.....	.35	3.00	20.00
Worden, 1 year.....	.25	2.00	15.00
" 2 years.....	.30	2.50	20.00
Wyoming, 1 year.....	.25	2.50	16.00
" 2 years.....	.30	2.50	20.00

BY { Unless noted, 1 year vines, 30 cts., 4 for \$1.00.
MAIL { Unless noted, 2 year vines, 45 cts., 3 for \$1.00

BLACK GRAPES

Campbell. Strong grower, with large, healthy foliage; productive. Ripens with Moore's Early. Bunch and berry large glossy black with blue bloom, sweet and juicy, seeds few and small, part readily from the pulp. By mail, 1 year, 20 cts.; 6 for \$1.00.

Concord. The leading market, vineyard and home garden variety, with which all others are habitually compared. No matter how small the number of grapes planted in the yard, Concord is almost sure to be included; and in regular vineyards throughout the country, Concord has been depended upon for the main crop. By mail, 1 year, 20 cts.; 6 for \$1.00.

King. Is as hardy and strong a grower as the Concord. Color the same. The pulp is more tender, flavor nearly the same, but more sprightly, ripening between Worden and Concord. The berry is too large and bunch too compact to make it a good long distance shipper, but for local high priced trade or family use it is one of the best. By mail, 1 year, 40 cts.; 2 years, 50 cts.

Moore's Early. Bunch medium, berry large round, with heavy bloom, vine exceedingly hardy. Its earliness makes it desirable for an early market and particularly adapts it to Canada and northern portions of the United States; also succeeds admirably in the South.

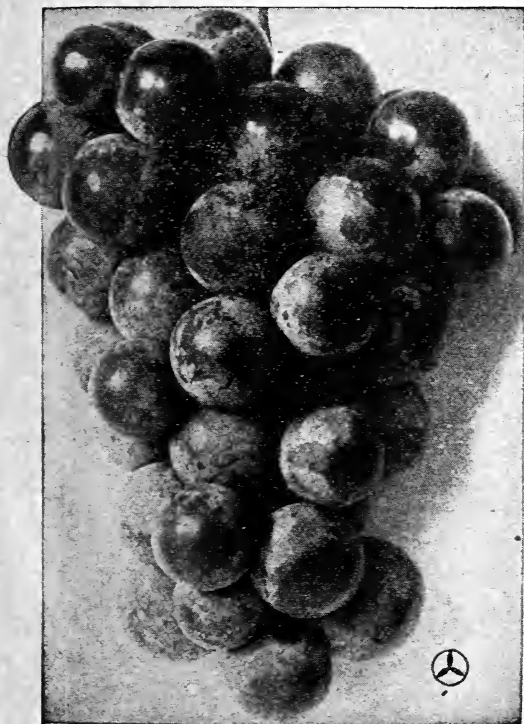
Worden. Resembles Concord, but is sweeter, larger in bunch and berry, and a week to ten days earlier.

RED or AMBER GRAPES

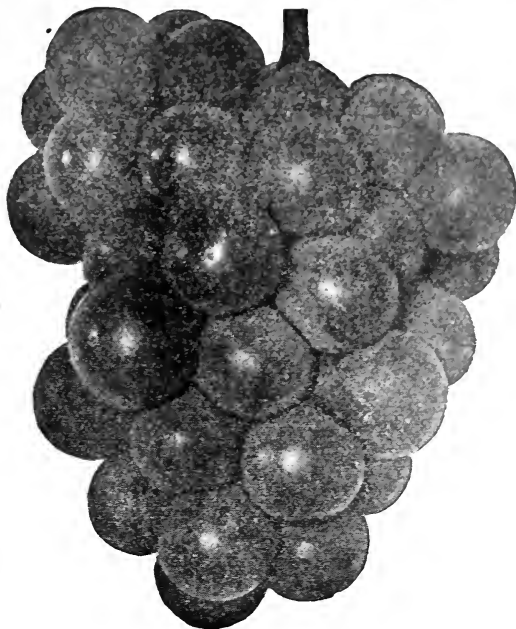
Agawam. Berries large, thick skinned, sweet, aromatic, sprightly. Closely follows Concord, keeping much longer.

Brighton. High quality, handsome, large, productive, adaptable. One of the most popular reds.

Caco. A new variety originating in Delaware and widely heralded as the very best red grape known. Its name is a combination of Catawba and Concord from which two standard sorts it was derived. Caco seems to have overcome the few defects in either parent, exemplifying all of their strongest virtues; thus presenting an individuality without precedent in Grape culture. The vines are strong and vigorous, as yet untouched by disease of any kind. The fruit is very large in handsome, complete bunches; in color a rich wine red over amber. Exceptionally early bearing, usually showing several good-sized bunches the second year. Its flavor is luscious, sweet, delightful, distinctive. By mail, 1 year 60 cts.; 2 years 75 cts.



The New Caco Grape



Regal—Red

Catawba. A great wine grape; fine for dessert; an extra long keeper. Ripens late; when full ripe, color dull copper red, flavor richly sweet and musky.

Delaware. The exquisite little American dessert grape. Handsome, reliable, very highest quality, with an unmatched spiciness and sweetness.

Lindley. (Rogers' No. 9.) Berries medium to large; flesh tender, sweet and aromatic; ripens early.

Regal. Very hardy, having endured thirty degrees below zero without injury. A short-jointed, vigorous and healthy grower; ripens its wood early. Exceedingly productive. The cluster is of a very desirable size—medium to large—cylindrical, very compact and alluring; berries very large, dark red, juicy, piquantly flavored; pulp tender, seeds easily freed; skin thin but tough. By mail, 1 year, 45 cts.; 2 years, 50 cts.

Salem. A good, reliable variety, well colored; sprightly flavored.

Wyoming. Hardy, early, productive, good sized in bunch and berry; brisk, sweet flavor.

WHITE GRAPES

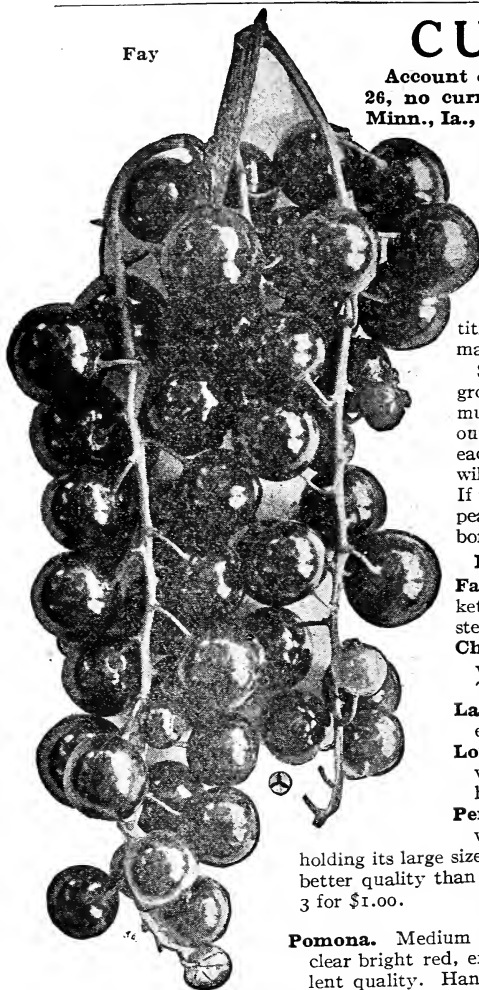
Diamond. The leading early white grape, ripening slightly before Niagara, between Worden and Concord. White, with rich yellow tinge, juicy; few seeds, almost free from pulp, excellent quality; above medium size, adheres firmly to stem.

Green Mountain. (Winchell.) An extra early variety from Vermont. Skin thin, pulp tender and sweet, quality superb. Bunch and berry medium size. Vine hardy, vigorous and productive. By mail, 1 year, 60 cts.; 2 years, 70 cts.

Niagara. The standard white grape, occupying the same position among the white varieties as Concord among the black. Bunch and berries larger, greenish white changing to pale yellow when fully ripe. Skin thin but tough; a rampant grower, good for arbors.

Pocklington. Beautiful golden color when ripe, enhancing the delight of its luscious sweetness and individual flavor. Ripens late and keeps well. It is juicy and tender, with very little pulp.

Fay



CURRENTS

Account of Blister Rust Quarantine No. 26, no currants may be shipped west of Minn., Ia., Mo., Ark. and La.

Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment; indispensable for table use, jellies, etc.; and large quantities are required for market.

Set 4 feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with hellebore.

RED CURRENTS

Fay. The leading market variety. Extra large stems and berries, uniform in size, easily picked, exceedingly productive

Cherry. Large berries on short clusters; a robust fruitful sort. The vigorous, stocky bushes produce great quantities of bright red fruit. The berries have thin skins, and possess a remarkable fine flavor.

La Versailles. Very large red; bunch long, of great beauty and excellent quality; one of the finest.

London Market. Plant is extremely vigorous with perfect foliage, which it retains through the season; an enormous cropper. For home garden or market; one of the best; a Michigan favorite.

Perfection. A cross between Fay's and White Grape, retaining the valuable characteristics of both parents. Beautiful, bright red,

holding its large size to end of bunch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation. - By mail, 1 yr., 40 cts.; 3 for \$1.00.

Pomona. Medium size, clear bright red, excellent quality. Hangs a

long time after ripening. Holds up well on market. Easily picked.

Wilder. Compared with the celebrated Fay is equal in size, with longer bunch, better in quality, with much less acidity, ripens at same time, continues on bush much longer, fully as prolific.

WHITE CURRENTS

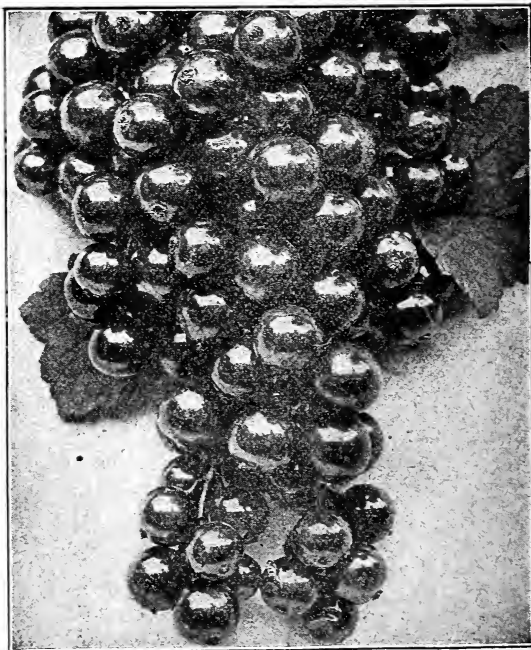
White Grape. Very large; yellowish white; sweet or very mild acid; valuable for the table.

White Imperial. Vigorous grower, very productive. The sweetest and richest white currant extant. Fruit larger and stems longer than White Grape. Mail size, 40 cts.; 3 for \$1.00.

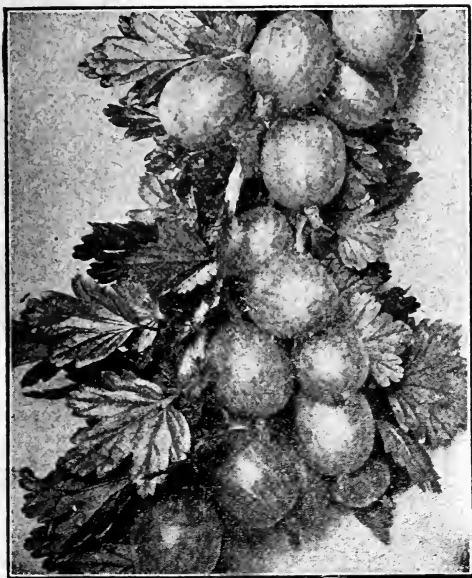
PRICE OF CURRENTS

	Each	Per 10
Red—London Market, 1 year.....	\$0.15	\$1.20
“ “ “ 2 years.....	.20	1.50
“ Cherry and La Versailles,		
“ 1 year.....	.20	1.50
“ 2 years.....	.25	2.00
“ Pomona, 1 year.....	.20	1.50
“ Perfection, 1 year.....	.30	2.50
“ “ 2 years.....	.35	3.00
“ Fay, and Wilder, 1 year.....	.15	1.20
“ “ “ 2 years.....	.20	1.50
White—White Grape, 1 year.....	.20	1.50
“ “ “ 2 years.....	.25	2.00
“ “ Imperial, 1 year.....	.30	2.50

Unless noted, 1 year, by mail, 30 cts.; 4 for \$1.

White
Grape
Currants

Perfection



Downing Gooseberries

GOOSEBERRIES

Account of Blister Rust Quarantine No. 26, no Gooseberries may be shipped west of Minn., Ia., Mo., Ark. and La.

The three fine varieties listed below are all of American origin, and well tested in all sections. Set 3 to 4 feet apart, in good rich soil, and give a liberal dressing of manure every season. Yearly pruning is essential. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide (liver of sulphur)—one ounce to four gallons of water.

PRICE OF GOOSEBERRIES

	Each	Per 10	Per 100
Downing, 1 year.....	\$0.25	\$2.00	\$15.00
" 2 years.....	.30	2.50	20.00
Houghton, 1 year.....	.20	1.50	12.00
" 2 years.....	.25	2.00	15.00
Josselyn, 1 year.....	.30	2.50	20.00
" 2 years.....	.40	3.00	25.00

Downing. Large, handsome, pale green, and of splendid quality for both cooking and table use; bush vigorous grower, and usually free from mildew. By mail, 35 cts. each; \$1.00 for 4.

Houghton. Medium; roundish, oval, pale red, sweet tender, very good; plants spreading; shoots slender, enormously productive. By mail, 30 cts.; \$1.00 for 5.

Josselyn. Large sized, smooth, prolific and hardy, of best quality; freest from mildew, both in leaf and fruit; of them all. A wonderful cropper, with bright, clean, healthy foliage. By mail, 40 cts.; \$1.00 for 3.

BLACKBERRIES

Should be planted in rows six to seven feet apart, three to five feet in the row. Keep the ground light and rich. Pinch the canes back when they have reached four feet in height.

PRICE OF BLACKBERRIES

	Per 10	Per 100
Early Harvest, and Snyder.....	\$0.60	\$4.00
Blowers, Eldorado, and Mersereau....	.70	5.00
Lucretia Dewberries.....	.60	4.00

Blowers. Originated in the celebrated small fruit belt of Chautauqua County, N. Y. Claimed to be the hardest and most productive, and to bring on the market the highest price of all blackberries. Has produced 2694 berries on one bush, 2720 quarts on 1-3 acre. Large size, jet black, good shipper, best quality; unexcelled productiveness are the main characteristics of this splendid new sort.

By mail, 15 for \$1.25; 100 for \$5.75.

Early Harvest. Not entirely hardy in the north and needs winter protection. Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer. Fruit medium size. By mail, 10 for 95 cts.; 100 for \$4.75.

Eldorado. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black; borne in large clusters, and ripen well together, they are very sweet, melting and pleasing to the taste; have no hard core, and keep eight or ten days after picking with quality unimpaired. By mail, 15 for \$1.25; 100 for \$5.75.

Mersereau. Remarkably strong grower, upright, producing stout, stocky canes. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; extra quality; sweet, rich, melting, without core. By mail, 15 for \$1.25; 100 for \$5.75.

Snyder. Enormously productive, medium sweet, no hard, sour core. The leading variety where hardiness is the consideration. Ripens early.

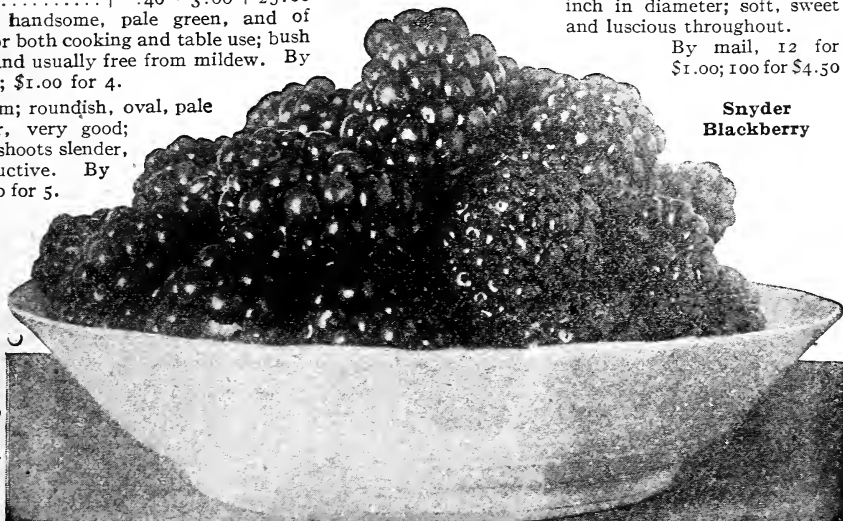
By mail, 10 for 95 cts.; 100 for \$4.75.

DEWBERRY

Lucretia. It equals any of the tall-growing sorts. Perfectly hardy, healthy and remarkably productive, with large, showy flowers. The fruit, which ripens early; is often one and one-half inches long by one inch in diameter; soft, sweet and luscious throughout.

By mail, 12 for \$1.00; 100 for \$4.50

**Snyder
Blackberry**



RASPBERRIES

Will do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they have done bearing, cut out the old wood to give more vigor to the young canes. All kinds of Raspberries are benefitted by mulching both in summer and winter. Plant in rows five feet apart, three feet apart in the row.

PRICE of RASPBERRIES

	Per 10	Per 100	Per 1000
Black —Cumberland, and Plum Farmer.....	\$0.50	\$3.00	\$25.00
" Gregg.....	.55	3.50	.....
Red —Cuthbert.....	.50	3.50	30.00
" Columbian.....	.60	5.00	40.00
" Herbert.....	.70	5.00	.....
" June.....	.70	5.00	.....
" King and Marlboro.....	.50	3.50	.....
" Perfection.....	.60	5.00	.....
" St. Regis.....	.50	3.50	30.00
Yellow —Golden Queen.....	.75	6.00	.....

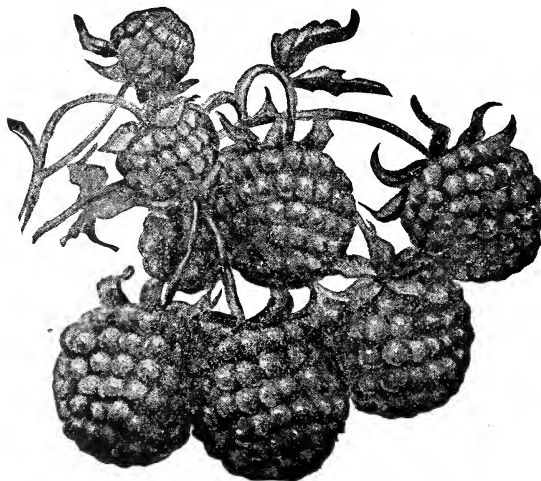
By mail, unless noted, 10 for 75 cts.; 100 for \$4.00.

RED RASPBERRIES

Cuthbert ("Queen of the Market.") A remarkably strong, hardy variety; standing the northern winter and southern summers equal to any. Very large, conical berries, measuring three inches around, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

Columbian. Very large, purplish color, rather soft, rich, sprightly flavor unrivalled for canning, making jam, jelly, etc.; wonderful vigor and productiveness. By mail, 10 for 85 cts.; 100 for \$5.75.

June. The earliest and only kind to fruit in June, thus earning its pretty name. A first-class variety with fruit superior to the old timers, and earlier, which is also as vigorous in growth, hardy, and as adaptable to all kinds of soil. June bears heavily and with undiminished size over a long period, the fruit shipping well and making a handsome appearance in the markets. It shows the bright red color of London; is larger and rounder than Cuthbert; its quality is equal to any; and — joy to the pickers—it has no thorns. By mail, 10 for 85 cts.; 100 for \$5.75.



St. Regis



Cuthbert

Herbert. In hardiness it easily takes first place, standing a lower temperature than any other kind. Fruit bright red, somewhat oblong, larger than Cuthbert, flavor very sweet and juicy. Season 5 to 6 days before Cuthbert. By mail, 10 for 85 cts.; 100 for \$5.75.

King. Plant is a strong grower. Berry is firm, a good shipper; large size; beautiful bright scarlet color; ripens with the earliest.

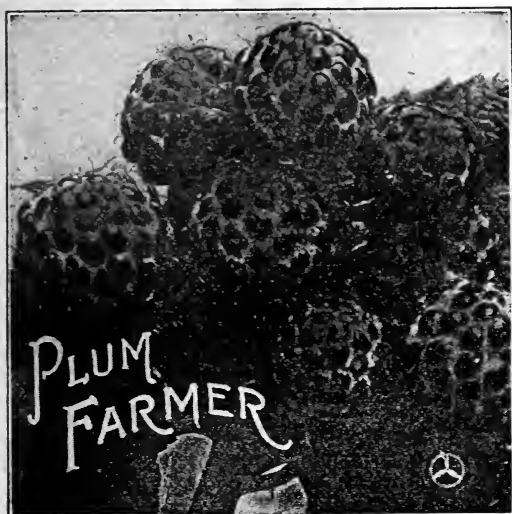
Marlboro. Large size, light crimson color; good quality and firm. Vigorous and productive. The best, well tested, large, early berry for the North.

Perfection. The strongest grower, making canes 10 feet in height, which are perfectly smooth; tied to stakes it has stood twenty degrees below zero without injuring a bud. Berries bright crimson, mammoth size, in large clusters. By mail, 10 for 85 cts.; 100 for \$5.75.

St. Regis. (Ranere.) Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow fall. Berries bright crimson, large size, rich, sugary with full raspberry flavor. Flesh firm and meaty, a good shipper. Wonderfully prolific. Canes stocky, of strong growth, with abundance of dark green leathery foliage.

YELLOW RASPBERRIES

Golden Queen. A beautiful, large golden yellow berry surpassing Cuthbert in size, beauty, quality and adaptability. This variety is not only one of the most delicious to the taste, but makes an enticing appearance when served fresh, either alone or in mixture with the other colors of berries. Canes hardy, of strongest growth, productive. By mail, 10 for 90 cts.; 100 for \$6.75.



BLACK RASPBERRIES

Cumberland. A healthy, vigorous grower, throwing up stout, stocky, well branched canes that produce immense crops. Fruits very profitable; large, firm, quality about same as Gregg, keeps and ships as well as any of the blacks. Mid-season.

Gregg. For many years the leading standard best known market sort. Very productive, large size, firm, meaty berries, covered with heavy bloom.

Plum Farmer. A few days later than Kansas, maturing the entire crop in a very short period; making one of the most profitable early market sorts. The berries are large, thick-meated, firm; attractive, with a bloom similar to Gregg.

RHUBARB "PIE PLANT"

PRICE of RHUBARB Each Per 10 Per 100
Linnaeus and Queen.....\$0.20 \$1.50 \$8.00

Linnaeus. Large, early, tender and fine. The old reliable pie kind. By mail, 25 cts.; \$1.00 for 5.

Queen. Strong, vigorous grower, extra large stalks of decided pink. By mail, 25 cts.; \$1.00 for 5.

HOLTS MAMMOTH SAGE

The plants are very robust, perfectly hardy and increase with age. The leaf is borne well above ground, is of unusual substance, strong in flavor and of excellent quality. 15 cts. each; \$1.25 per 10.

ASPARAGUS

Nothing that comes out of the home garden is so much appreciated, as the tender tips and fresh stalks of asparagus. A small bed of them, or a border along the garden edge, will supply the average table for six weeks or more in late spring. They should be kept weed-free, and the soil stirred.

In planting, make soil rich; dig trench; set 12 to 18 inches apart, roots spread out, crown 2 inches below surface; and tamp in returned soil firmly.

Conover. A standard variety of large size, tender and excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

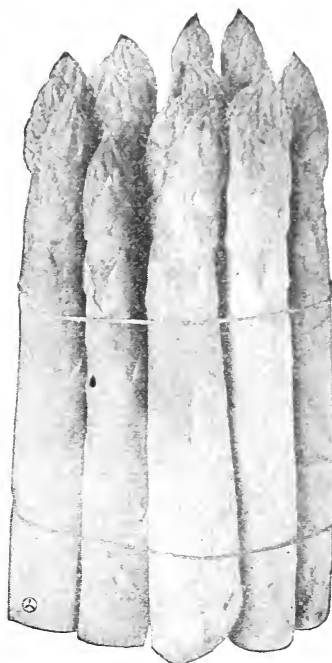
Columbian Mammoth White. A distinct variety of strong vigorous growth, producing very large, white shoots, that in favorable weather remain white until 3 or 4 inches high, or as long as fit for use. By mail, 50 for \$1.00; 100 for \$1.75.

Palmetto. A very early variety; even regular size, of excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

Washington. A new rust-resistant pedigree Asparagus. As a standard variety for the production of fancy Asparagus for the home or market, it stands ahead of all others in size, vigor, tenderness, quality, and rust-resistance. By mail, 50 for \$1.25; 100 for \$2.25.

PRICE OF ASPARAGUS

	Per 10	Per 100	Per 1000
Conover, Columbian, Palmetto, 1 year.....	\$0.30	\$1.50	\$10.00
2 years.....	.60	2.00	14.00
Washington, 1 year.....	.40	2.00	12.00
" 2 years.....	.70	2.50	15.00



STRAWBERRIES

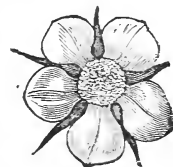
If plants are set 1½ by 3 feet, it will require 9680 plants to an acre

Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. Soil should be thoroughly prepared to a good depth, well drained and enriched. Vegetable manure (muck, rotten turf, wood soil, ashes, etc.) is the best. For field culture set in rows 3 to 3½ feet apart, 15 to 18 inches in rows; for garden 15 inches apart each way, leaving pathway every third row. To produce fine, large fruit, keep in hills, pinching runners off as soon as they appear. Ground should always be kept clean and well cultivated. In winter a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until ground is frozen, or so deep as to smother the plants, and remove covering before growth starts in spring. Mulching will keep the fruit clean and the soil in good condition through the fruiting season.



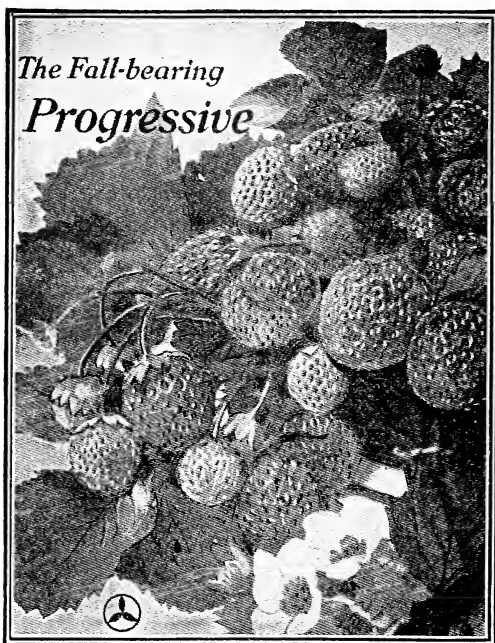
Perfect Flower

The blossoms of those varieties marked with (P) are destitute of stamens and are termed "pistillate," and unless a row of perfect flowering variety is planted at intervals not exceeding about a rod, they will produce imperfect fruit and but little of it; but when properly fertilized as a rule they are the most prolific. Dip in water as soon as received, and bury the roots in moist, shady ground until ready to set out; do not neglect.



Imperfect Flower

WE SEND STRAWBERRY PLANTS BY EXPRESS OR MAIL ONLY.

**PRICE of STRAWBERRIES***Everbearing Class—*

Champion, and Progressive.

Per 10 Per 100 Per 1000

\$0.50 \$1.25 \$10.00

*Standard Varieties—***Dunlap**, Gibson, Glen Mary,

Parsons Beauty, Premier,

Sample, and Wm. Belt....

.35 1.00 7.00

Brandywine, Dr. Burrill,

Gandy, and Stevens Late..

.45 1.20 8.00

If ordered by Mail, postpaid—add 10 cts. per 10 plants; or 25 cts. per 100 plants.**EVERBEARING STRAWBERRIES**

"Everbearing Strawberries" (that yield fruit continuously from May or June until frost), have only recently become popular and commercially established. We offer the two best of this class, and heartily recommend them. They are practical croppers, and coming out of ordinary season, bring very profitable prices for market. **CAUTION:** To obtain the largest size and finest quality of fruit in the fall, keep flowers picked off until about the first of August.

Champion. (New.) Derived as a seedling from Superb; similar in many respects but larger fruited, more productive. Can stand a great deal of "grief," and show results in seasons where others fail.

Progressive. Plants are vigorous and healthy, much like Dunlap, blooms well protected by the foliage. Gives splendid pickings of first quality berries for a long time.

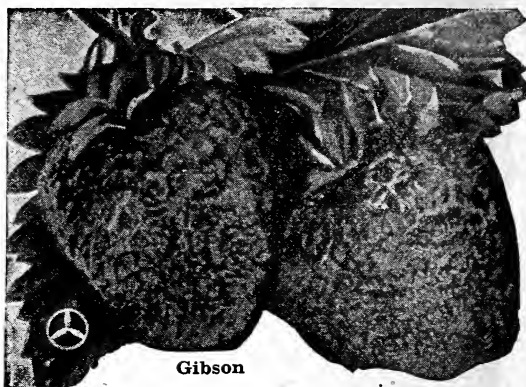
STANDARD VARIETIES

(P) means "pistillate" or imperfect flowers. (E), (M) and (L) designate early, medium or late.

Brandywine. (L) Large, productive, excellent conical form; dark glossy red to center.

Dr. Burrill. (M) A marvel of productiveness, quality, color, size and firmness. The fruit is very firm and of even shape; dark, glossy red with yellow seeds and green calyx; making a beautiful combination.

Dunlap. (E) Rampant runner, plants should be restricted. Fruit good size, regular form, beautiful bright red, glossy; firm, splendid keeper and shipper, excellent quality, one of the best for canning.

**Gibson**

Gandy. (L) Reliable and healthy; berries bright crimson, uniform in size and shape.

Gibson. (M) One of the best and most profitable sorts for both home and market. Strong growers with long roots, abundant foliage, very productive. Berries extra large choice flavored, dark glossy red.

Glen Mary. (M) Berries large to very large, often flattened, bright deep red on surface, light red to center; sweet, rich, good flavor. Productive.

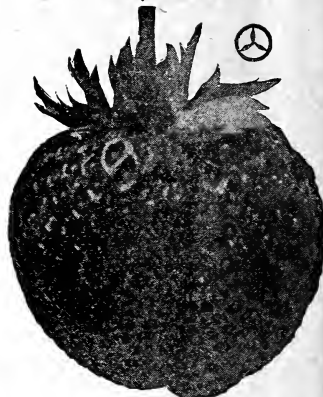
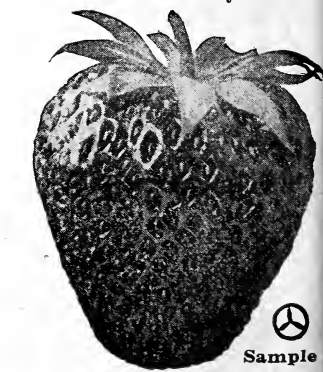
Parsons Beauty. (M) Large, bright red, conical, firm berries, shipping well; productive and profitable.

Premier. (E) Productive; fruit highly colored, firm, a splendid shipper, of superb quality. Strong, clean foliage, plant grows and spreads over its load of fruit, protecting it from sun scald and rot.

Sample. (P) (L) A standard sort for both home and market. Large dark colored berries in profusion, of uniform size.

Stevens. (L) Good foliage that protects blossoms and fruit from frost. Berries long and uniform in size; color good red, firm for shipment.

Wm. Belt. (M) A reliably productive berry for market or home use. Extra large, conical, uniform in shape, brilliant glossy red; large crops.

**Dr. Burrill****Glen Mary****Sample**

NUT TREES

Almost every farm contains land that should be planted to nut trees. Nuts in many cases pay better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment.

PRICE OF NUTS	Each	Per 10
Butternut, 2 to 3 feet.....	\$0.60	\$ 5.00
" 3 to 4 feet.....	.70	6.00
" 4 to 6 feet.....	1.00	8.50
Chestnut, Japan, 2 to 3 feet.....	1.50	.....
" " 3 to 4 feet.....	1.75	.....
" " Spanish, 2 to 3 feet.....	1.25	10.00
" " 3 to 4 feet.....	1.50	12.50
Filbert, American, 1½ to 2 feet.....	.60	5.00
" " 2 to 3 feet.....	.75	6.50
Pecan, 1½ to 2 feet.....	1.00	.....
" 2 to 3 feet.....	1.25	.....
Walnut, Black, 2 to 3 feet.....	.60	5.00
" " 3 to 4 feet.....	.75	6.50
" " 4 to 6 feet.....	.90	8.00
" Japan—Sieboldi and Max-		
Cordiformis, 2 to 3 feet...	.75	6.50
" " 3 to 4 feet.....	1.00	8.00
" " 4 to 6 feet.....	1.25	10.00
" English, 1½ to 2 feet.....	.85	7.50
" " 2 to 3 feet.....	1.00	9.00
" " 3 to 4 feet.....	1.50	12.50

CHESTNUTS

Spanish. A handsome round headed tree producing abundantly very large nuts that find a ready market at good prices. Not so sweet as the American and tree not so hardy.

Japan. Very distinct from all other chestnuts; dwarf grower, productive, usually producing nuts when two or three years old. Nuts of immense size, far surpassing all other kinds; of fair quality when outside skin is removed.

FILBERTS

American. The common Hazelnut. Will grow in almost any location, but prefers a rather moist soil, such as can be found along streams. Nuts are tender and of fine flavor.

PECAN

Not hardy in the North; one of the most profitable where it succeeds. Makes a very large, tall tree, producing its delicious nuts in profusion.

WALNUTS

Black. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet ware, and brings the highest price in market. Mail size, 30 cts.; 4 for \$1.00.

Butternut or White Walnut. Native tree, producing a large nut. Has a sweet, oily nutritious kernel. Mail size, 30 cts.; 4 for \$1.00.

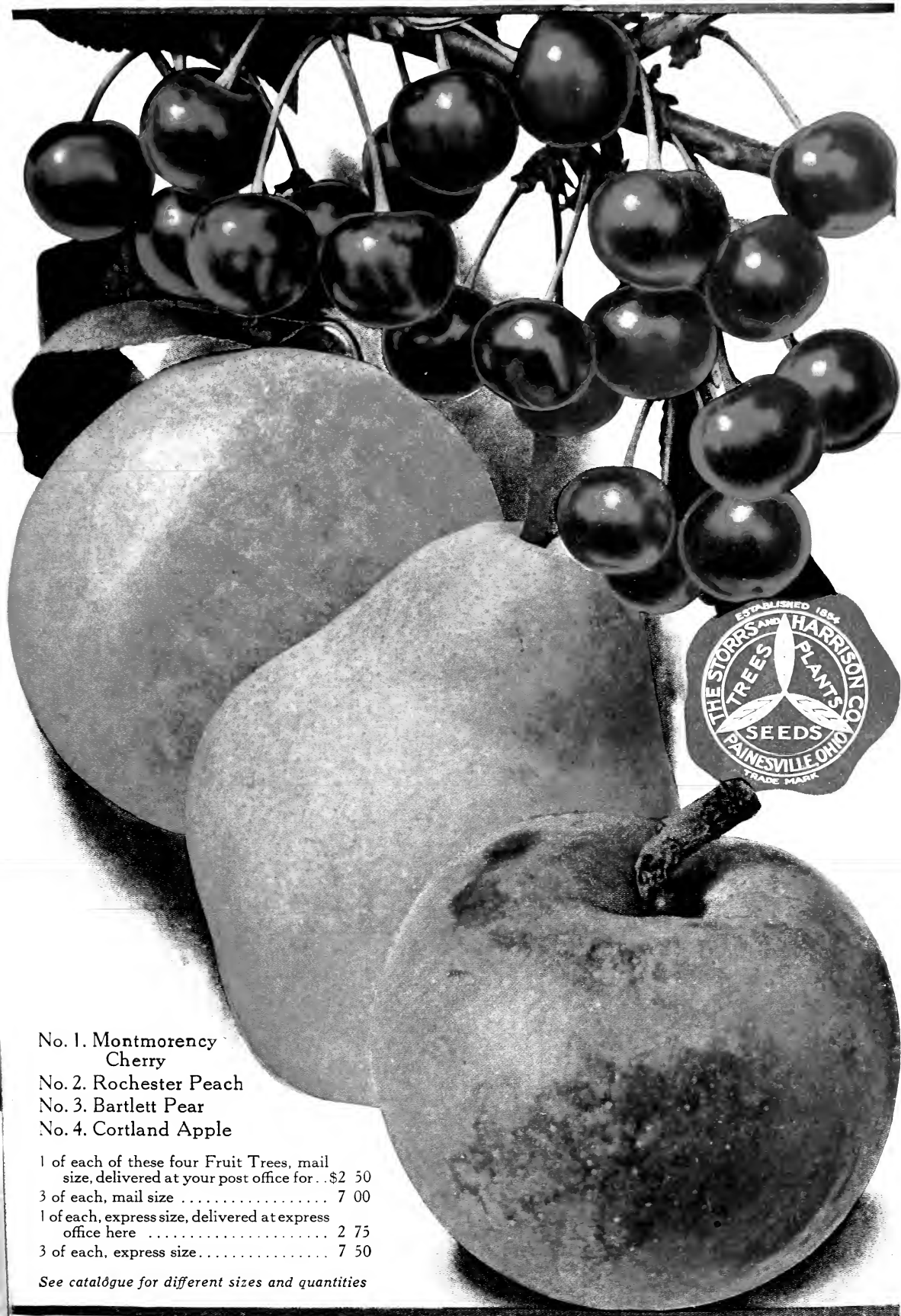
English. Where hardy, it produces immense crops of thin-shelled delicious nuts, which are always in demand at good prices; fruit in green state is highly esteemed for pickling. Will not grow in the North. Mail size, 50 cts.; 3 for \$1.25.

Japan, Max Cordiformis. Differs from Sieboldi in form of nuts, which are broad-pointed, flattened, resembling Hickory. Mail size, 40 cts.; 3 for \$1.00.

Japan, Sieboldi. Perfectly hardy, rapid grower. Handsome form, immense leaves; bears young and abundantly. Nuts produced in clusters; resembles Butternut in shape and quality; smaller; smooth and thinner shell. Mail size, 40 cts.; 3 for \$1.00.

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